

*The*  
**CHEMIST AND DRUGGIST**



RETAILER - WHOLESALE - MANUFACTURER

JUNE 25, 1949

# White Magic

Quality clays and skilled craftsmanship have contributed to China's age-old record for fine porcelain and pottery. Since antiquity, this same quality of kaolin has been used by the Chinese for intestinal disorders, and it was thought to possess magical powers. Scientific research confirms the value of this remedy.

The well-known adsorptive properties of kaolin are combined with the astringent and antiseptic action of zinc phenol-sulphonate in 'Pectocel.' Pectin evenly suspends the colloidal kaolin, presenting it in its most active form. Pleasantly flavoured and readily acceptable 'Pectocel' is an ideal combination for toxic diarrhoeas and other intestinal inflammations.

Supplied in bottles of 4, 16 and 80 fluid ounces.

## 'Pectocel'

BRAND

PECTIN AND KAOLIN COMPOUND



ELI LILLY AND COMPANY LIMITED • BASINGSTOKE • HANTS

# Wright's

**PACKED PHARMACEUTICALS  
TOILET PREPARATIONS  
DISINFECTANTS**

**FOR SUMMER SALES**

**WRIGHT'S COAL TAR TALCUM POWDER**

**WRIGHT'S COAL TAR NURSERY POWDER**

**WRIGHT'S COAL TAR ANTISEPTIC FOOT BALM**



**WRIGHT'S EFFERVESCENT SALINE**



**WRIGHT'S GRASSE ROSE TALCUM POWDER**



**WRIGHT'S D.D.T. POWDER AND SPRAY**

**A** reputation that is sound and enduring is more valuable than a passing success however spectacular and it cannot be built up in a day."

*Such is WRIGHT'S guiding principle and for 80 years a policy of supplying only the finest pharmaceutical preparations at reasonable prices has been consistently maintained*

THE NAME  
ALONE IS A  
GUARANTEE



**WRIGHT LAYMAN & UMNEY LTD**  
SOUTHWARK STREET, LONDON, S.E.1 HOP 4021 (10 lines)

**V**ariety

**Q**uality

**R**eliability

**A**vailability

**M**onsanto

**G**ermicides

### **Cresantol 3**

A mixture of benzyl cresols. A pale clear straw-coloured fluid, almost odourless. A first-class base for lightly coloured and delicately perfumed antiseptic fluids. R.V. co-efficient 105 when suitably formulated

### **P. C. M. C.**

(Chlorocresol B.P.)

A supplementary germicide particularly useful with Cresantol 3. An efficient fungicide which has extensive use as a preservative for pharmaceutical preparations. R.V. co-efficient 26 when suitably formulated. Small white or transparent crystals

### **Cresantol 15**

Mixed chlorinated xylenols. The standard raw material used in manufacture of antiseptic and disinfectant fluids proved over a number of years. R.V. co-efficient 65 when suitably formulated. A clear brown liquid with a characteristic odour

### **P. C. M. X.**

(Chloroxylenol B.P.)

R.V. co-efficient 65 when suitably formulated. Small white crystals. Odourless. Supplies are very much restricted for the present

*For further information on the most suitable application of Monsanto Germicides, write to Sales Dept.*

**MONSANTO CHEMICALS LIMITED, VICTORIA STATION HOUSE, LONDON, S.W.1**



*A New Quick-Selling  
Calamine*

*- in a  
tube*



*For*  
IRRITATION  
HEATSPOTS  
CHAFING  
SUNBURN  
ETC.

*Soothing and Emollient*

*Alan's CALAMINE SKIN CREAM*

*and Emollient*

**for sunburn,  
chafing, gnat bites,  
pimples, napkin rash,  
irritations, etc.**

A pharmaceutical preparation  
that will sell on sight.

Easy to use—convenient to  
carry—no broken bottles!

**Retails at only 9d. per tube**

*Packed in attractive 3 doz.  
display outers.*

*Retails 9<sup>d</sup> inc. tax*  
**33½% DISCOUNT**

★ Additional 5% discount for direct orders of 1 gross and over

## ALAN'S Calamine Skin Cream

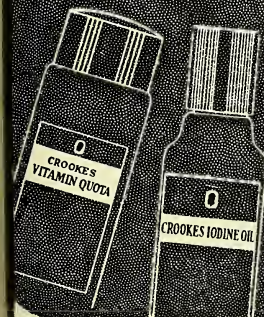
THE CROWN CAPSULE CO. LTD.

Helensburgh

Scotland

London Office:

88 Upper Richmond Road, S.W.15



**CROOKES**

# Summer BONUS LINES

*Attractive Terms, Display Cards, Cartons —  
for your Summer Trade.*

**LACTO-CALAMINE LOTION**

*Bonus of 3 bottles on orders for 3 dozen, and 12 bottles on orders for 6 dozen bottles. Ask for showcard L.C.2.*

**CROOKES VITAMIN QUOTA CAPSULES**

*Bonus of 1 vial on orders for 1 dozen 28's or 100's. Ask for showcards V.Q.2., V.Q.P.2.*

**CROOKES SCALP LOTION**

*Bonus of 1 bottle on orders for 1 dozen bottles (plain or oily). Ask for showcard S.L.2.*

**FERROMALT**

*Bonus of 1 bottle on orders for 1 dozen 4 oz. or 8 oz. bottles.*

**KARVOL INSECT BITE LOTION**

*Bonus of 1 bottle on orders for 1 dozen bottles. Ask for showcard K.I.B.2.*

**CROOKES IODINE OIL**

*Bonus of 1 bottle on orders for 1 dozen 1 oz.\* or 4 oz. bottles. Ask for showcard I.O.2.*

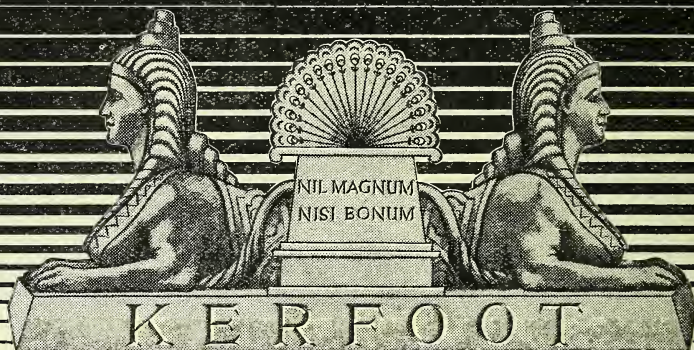
**CROOKES ZINC CREAM\***

*Bonus of 1 tube on orders for 1 dozen tubes.*

*\*Supplied in display outer with dummy carton.*

**THE CROOKES LABORATORIES LIMITED**  
PARK ROYAL LONDON N.W.10

# For BACTERIOLOGICAL SUGARS



ARABINOSE • CELLOBIOSE • DEXTRINE (Prep. by precipitation) • DEXTROSE (Cryst. Anhydrous)  
 DULCITOL • GALACTOSE • INOSITOL • INULIN • LACTOSE • LÆVULOSE • MALTOSE  
 MANNITOL • RAFFINOSE • RHAMNOSE • SACCHAROSE • SORBITOL • SORBOSE • XYLOSE

THOMAS KERFOOT & CO., LTD. VALE of BARDSLEY, LANCASHIRE

## *Cadbury's* BOURN-VITA

SUPPLIES MAY BE OBTAINED  
 THROUGH YOUR WHOLESALE DRUGGIST

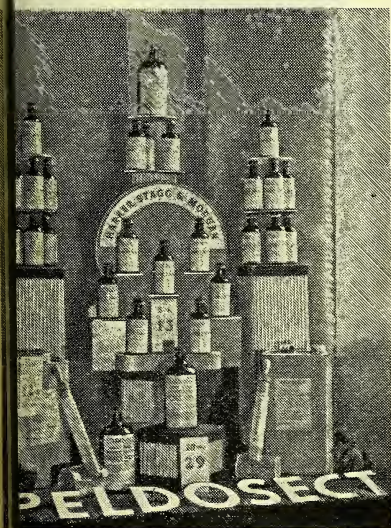


# INDEX TO ADVERTISERS

Alphi Manufacturing Co., Ltd.	vi	Carter, H. W., & Co., Ltd.	xxxix
osols, Ltd.	xlii	Cartwright, W. B., Ltd.	6
ro Fillers & Engineering Co., Ltd.	iii	Castle Huskisson, Ltd.	32
o, Stafford, & Sons, Ltd.	25	Chemical Manufacturing Laboratory, Ltd.	xliv
ber Pharmaceuticals, Ltd.	vi	Citrus Products Co., Ltd.	38
e Laboratories, Ltd.	23, 24	Claridge, Peter, Ltd.	48
it, Ltd.	xii	Container Recovery Service	xviii
er Products, Ltd.	i	Cooper, McDougall & Robertson	26
r Honey	10	County Perfumery Co., Ltd.	12
son Clark & Co., Ltd.	x	Cox, Arthur H., & Co., Ltd.	8
chams Pills, Ltd.	35	Cox, J., & Co.	30
, G., & Sons, Ltd.	xxx	Craig & Parsons, Ltd.	31
ger's, Ltd.	29	Cresswell Bros. & Marks, Ltd.	34
Martin, Ltd.	16	Croda, Ltd.	40
W. H.	40	Crown Capsule Co., Ltd.	2
nnan, S., & Sons, Ltd.	viii	Crookes, F. & W., & Sons, Ltd.	viii
ow, T. F., & Co., Ltd.	39	Crookes Laboratories, Ltd.	3
ish Chemotheutic Products, Ltd.	xxxv	Crosskill, C. R., & Sons	xiii
ish Dental Sticks, Ltd.	46	Cupal, Ltd.	xl
ish Drug Houses, Ltd., The	9	Cuxson, Gerrard & Co., Ltd.	10
ish Felsol Co., Ltd. Cover	iv	Dales Aspirin & Tableting Co.	31
ish Rodent (Exterminator) Co., Ltd.	xviii	Dalmás, A. de St. Co., Ltd.	52
ish Schering, Ltd.	20	Daniel, Richard, & Son, Ltd.	13
ish Vacuum Flask Co., Ltd.	17, 18	Davenport, J. T., Ltd.	xlii
ne & Schimmer	iii	Deep-Wave Products, Ltd.	xliv
nchovydrin (1945), Ltd.	xiv	Dentomint, Ltd.	xv
ley-Bowker Tablet Co., Ltd.	xiii	Distillers Co., Ltd.	34
rough, James, Ltd.		Dominion Steel Corporation, Ltd.	xxxviii
	Leader Page	Dufay Chromex, Ltd.	xvi
roughs Wellcome & Co.	15, 53	Eades Anodyne, Ltd.	xxxvi
er & Crispe	31	Edge, Wm., & Sons, Ltd.	iv
ury Bros., Ltd.	4	Evan Williams Co., Ltd.	38
ilatone Shampoos	14	Fassett & Johnson, Ltd.	27
egie Chemicals (Welwyn), Ltd.	21	Favell, T. J., & Co., Ltd.	xxxviii
		Franks, A., & Bartlett Co., Ltd.	xxiv

Freudentheil, Smith & Co.	Leader Page
Fryer & Co. (Nelson), Ltd.	42
Garlic Deodorised Antiseptics	Leader Page
Genatosan, Ltd.	33
George. Ernest J., & Co.	Col. Supp.
Glama of Mayfair	34
Gordon-Moore's	Cosmetic
Toothpaste	xxi
Greyer, Brecheisen & Co., Ltd.	vi
Grovewell, Ltd.	xv
Haller Laboratories, Ltd.	xvi
Harker, C. R., Stagg & Morgan, Ltd.	5
Harvey & Co. (Dublin), Ltd.	xliv
Harvey, G. Roland	xliv
Havinden, G., Ltd.	48
Hewlett, C. J., & Son, Ltd.	36
Hobson, Trimble & Co., Ltd.	viii
Hough, Hoseason & Co., Ltd.	43
Howard, Lloyd & Co., Ltd.	44
Huffer & Smith, Ltd.	iv
Ilex Supply Co., Ltd.	50
Imperial Chemical (Pharmaceuticals), Ltd.	Cover iii
Jackson, G., & Sons, Ltd.	46
Jarvie, Hugh & Co., Ltd.	iv
Jason & Stuart Products, Ltd.	xi
Jeffreys, Miller & Co., Ltd.	31
Jones & Bailey, Ltd.	xxv
Kay Bros., Ltd.	36
Karswood Cat Powders	xviii
Keating, Thomas, Ltd.	xxxiii
Keldon, Ltd. (Optrex)	xxii
Kerfoot, Thomas, & Co., Ltd.	4
Kimpton Brothers, Ltd.	22
Kings of Kingsbury (Sales), Ltd.	xxxvi
L.B.W., Ltd.	34
Lax & Shaw, Ltd.	xxvii

(continued overleaf)



May we arrange to  
have **YOUR WINDOW**  
dressed like this by  
**DISPLAYMAX?**

A GOOD SEASONAL LINE  
MERITS A GOOD SHOW

Please instruct us to arrange a part  
or whole window display and indicate  
approximate date you desire, then  
leave the rest to US and The  
**DISPLAYMA Co.**

**INDEX (cont.)**

Lilly, Eli, & Co., Ltd.		Ormskirk Photo Services .....	xliv	Silvikrin Laboratories .....	
Front Cover		Orridge & Co. ....Col. Supp.		Simpkin, A. L., & Co., Ltd.	xxx
Liverpool School of Pharmacy		Ortho Pharmaceuticals, Ltd. xxvi		Smith & Hill (Chemists),	
Leader Page		Oxo, Ltd. ....	54	Ltd. ....	x
Lodge, Robin, Ltd. ....	ii	Panda Roll Film Co., Ltd.		Songo .....	Leader P
Lofthouse & Saltmer, Ltd. ...	40	Col. Supp.		Spa Brushes, Ltd. ....	
Lusty's Natural Products Co. xxxvi		Parkinsons, Ltd. ....	38	Sponcel, Ltd. ....	xx
Liptons Paper Mills, Ltd. ....	xliv	Pebo, Ltd. ....	xxxiv	Standard Synthetics, Ltd.	
Macdonald & Son, Ltd. ....	13	Pentecote, Ltd. ....	ix	Leader P	
Manchester Oil Refinery, Ltd. ii		Pepsodent, Ltd. ....	xxix	Steele, F. H., & Co., Ltd. ...	
Marks, Leslie & Co., Ltd. ...	50	Perihel, Ltd. ....	viii	Stretch, Wilfred, & Co., Ltd. xx	
Marns, Thomas, Ltd. (Arrid) xv		Peters, Robert, & Co. ....	42	Sumner, R., & Co., Ltd. ....	
Martin, Bob, Ltd. ....	16	Petrushkin, M., Ltd. ....	xix	Surgical Hosiery Co., Ltd. ....	
Mather, Wm., Ltd. ....	14	Pharmaceutical Specialities		Thackray, C. F., Ltd. ....	
Matthews & Wilson, Ltd. ....	36	(May & Baker), Ltd. ....	19	Three Crowns Tablet Co. ...	
Maw, S., Son & Sons, Ltd. ....	11	Picker, Myram, Ltd. ....	xxiii	Toulson, M. P., Ltd. ....	
Mawson, J. W., & Co., Ltd. xliv		Poisson, Ltd. ....	xvii	Trade Mark Protection Society	
Meggeson & Co., Ltd. ....	xliii	Porteus, Geo., & Sons,		Twinkle Headache Powders	
Mellor, W., & Co. (Mossley),		(Leeds), Ltd. ....	viii	Leader P	
Ltd. ....	xxxviii	Potter & Clarke, Ltd. ....	51	United Chemists Association,	
Merica, M., & Co., Ltd. ...	xiv	Pratt, Sir John, & Co. ....	49	Ltd. ....	
Mitchell Cotts & Co., Ltd. xxxiv		Premier Photographic Supply		Velouty de Dixor .....	
Momand, Don S., Ltd. ....	xxxvii	Co. ....	42	Veedip, Ltd. ....	
Monsanto Chemicals, Ltd. ...	1	Prestoband .....	x	Velena .....	
Moore Medicinal Products,		Progress Shaving Brush Co.,		Walker, W. & F., Ltd. ....	
Ltd. ....	xxxii	Ltd. ....	44	Wallis Laboratory, Ltd., The	
Moseley, D., & Sons, Ltd. ...	32	Reckitt & Colman, Ltd. ....	xii	Leader P	
Mouldings & Shapes Co., The vii		Rimmel Distributors, Ltd. ....	45	Walton, T. H., & Co., Ltd.	
Nappi-Wite, Ltd. ....	xiv	Rose, W. R., Ltd. ....	iii	Westminster Laboratories, Ltd.	
National Association of Opti-		Salter, George, & Co., Ltd.	ii	White, J. F., & Co., Ltd. ...	x
cians .....	Leader Page	Sackers Hygiene Comb Co.,		Windschuegl, Chas. H., Ltd.	
National Glass Works (York),		Ltd. ....	xliv	Wiseman, J. H., & Co., Ltd.	
Ltd. ....	vii	Savory & Moore, Ltd. ....	54	Woodward, G. O., & Co.,	
Neve, W. J. ....	xliv	Scram Products, Ltd. ....	xxxi	Ltd. ....	
Nervone .....	10	Scurr, C. A. ....	xliv	Woolley, J., Sons & Co., Ltd.	
Niblett, C. P. ....	xxxvii	Seman, O. M., Ltd. ....	xl	Wright, Layman & Umney,	
Nufx Hair Cream .....	46	Seven O'Clock Razor Blades	xix	Ltd. ....	Cove
Oakfield & Co. ....	Leader Page	Sidnick, M., & Co., Ltd. ...	30	Zeal, G. H., Ltd. ....	
Olley, C., & Sons, Ltd. ....	30	Sigal, S., & Co., Ltd. ....	44		
Optical Products, Ltd. ....	xx	Silverthorn Manufacturers,			
		Ltd. ....	48		

**" MOORLANDS ALWAYS BRING  
ME A GOOD STEADY PROFIT**

... and another thing, too,—a display in my window, or a corner on the counter can always be depended upon to increase the sales of this established proprietary.

I recommend Moorlands with confidence, which has a backing of solid prestige and all the year round National publicity."

# MOORLANDS

RETAIL PRICES : Moorlands 1/8 and 10d. (incl. Tax) Penetrol Inhalant 2/3 and 3/6 (incl. Tax) Penetrol Inhalers 1/8 (incl. Tax). Urillac Tablets 8½d., 1/5, 3/4.

W. B. CARTWRIGHT LIMITED  
RAWDON, LEEDS




On the  
**PATA**  
protected list

# INDIGESTION LOZENGES



*This is a Guaranteed Product  
sold only through Ucal Chemists*

Retail 1/- per box.

Wholesale 6/- per  
doz., plus tax.

Retail 1/6 per tin.

Wholesale 9/- per  
doz., plus tax.

*The Brand Name*

**Ucal**

DENOTES MANUFACTURE BY  
THE UNITED CHEMISTS ASSOCIATION LTD  
CHELTENHAM

*and  
Implies their Guarantee*

# CENTURY-OLD EXPERIENCE

## IN SCIENTIFIC

# PILL and TABLET making

PACKED OR IN BULK • STANDARD OR SPECIAL FORMULÆ  
COATED OR UNCOATED • GROSSES OR MILLIONS

*Those who contemplate production of  
a Pharmaceutical Proprietary are invited  
to consult the advisory service of*

**ARTHUR H. COX & CO. LTD.**  
BRIGHTON, 7

*The Specialists backed by most  
modern machinery and techniques*

### *A Pharmaceutical Achievement*



## MAGSILATE

ASPIRIN THERAPY  
BROUGHT TO PERFECTION

**CAN BE EATEN  
LIKE A SWEET**  
No water required

Magnesium Trisilicate    Protective Film    Acetylsalicylic Acid  
Sugar    Sugar  
Magnesium Hydroxide    Flavouring

- Quicker absorption — more effective action
- No gastric disturbance.
- Fully protected against deterioration.

MAGSILATE is a CF product, sold *through chemists only*. Terms are profitable. Attractive showcards, informative literature and free samples supplied with orders.



A product of  
**WESTMINSTER LABORATORIES LTD.**  
Chalcot Road, London, N.W.1.

Supplied in two sizes:—4d. & 1/10d.  
(inc. P. Tax) and Dispensing Packs  
of 125 and 500 Tablets.





## ... it seems like miles

*a familiar phrase in these days. People are 'finding everything too much' and are feeling tired and 'run-down', in fact, showing all the symptoms of vitamin B deficiency.*

Offer them 'Vibelan' Vitamin B Compound B.D.H. It provides a means of correcting the group deficiency in a pleasant and convenient manner. Each tablet contains Vitamin B<sub>1</sub> 0.5 mg., Vitamin B<sub>2</sub> (riboflavine) 0.75 mg. and Nicotinamide 7.5 mg. in a yeast extract base. From two to four tablets provide the normal daily adult requirement.

# 'Vibelan'

## VITAMIN B COMPOUND B.D.H.

Prices	Trade	Retail
Bottles of 50 tablets - - -	3/4	5/-
Bottles of 250 tablets - - -	13/4	20/-
Bottles of 1000 tablets - - -	46/8	70/-

THE BRITISH DRUG HOUSES LTD. LONDON N.1

VIB/T/2

*Are You Stocking?*

**NERVONE**

**SALES STEADILY INCREASING!**

INCREASED advertising is now in force and more and more of your customers will ask you for "Nervone"—the new biochemic remedy for nervous disorders.

You should make sure of your share of this profitable business by stocking and displaying. Show material gladly sent free on request.

**PATA**

Retail	(including Tax)	Wholesale
3/3, 5/6, 22/-		28/5, 48/-, 192/-
per packet		per doz.

**"NERVONE"**

Cecil House, Holborn Viaduct, London

**BEAR  
BRAND  
HONEY**



*For  
Purity  
and Quality*

As direct importers from all the main Honey-producing Countries of the World, we can supply Standard Grades of the finest Honey for all Manufacturing purposes.

**ENQUIRIES INVITED**

Now Free of Points and Permits

**L. GARVIN & CO. LTD.**

**ISLEWORTH . MIDDLESEX**

Telephone : HOUnslow 3483 (3 lines)

# PENICILLIN PREPARATIONS

Official and Non Official

Manufactured under T.S.A. Licence No. 174

OINTMENTS	-	-	-
-	-	SOLVELLÆ	-
CREAMS	-	-	-
-	-	CREAM BASE	-
LOZENGES	-	-	-
-	-	SPRAYS	-
OCULENTUM	-	-	-
-	-	ORAL TABLETS	-

AMPOULES OF PYROGEN FREE  
WATER AND NORMAL SALINE

Penicillin with Sterilised Sulphathiazole, etc.  
Aqueous and Oily injections. Full particulars  
on request. Also manufacturers of Surgical  
Ligatures and Sutures under T.S.A. Licence No. 40

**CUXSON, GERRARD  
& CO., LTD.**

OLDBURY, BIRMINGHAM

**IMMEDIATE POSTAL SERVICE**

**JERMYN ST. W.I.**

**67-68**

**MAW'S**  
*New*  
**LONDON  
SHOWROOM**

*The finest, most up to date  
range of Chemists Sundries  
and Equipment are here for  
your personal inspection.*  
**S. MAW, SON & SONS, LTD.**  
1807 CITY—1949 WEST END



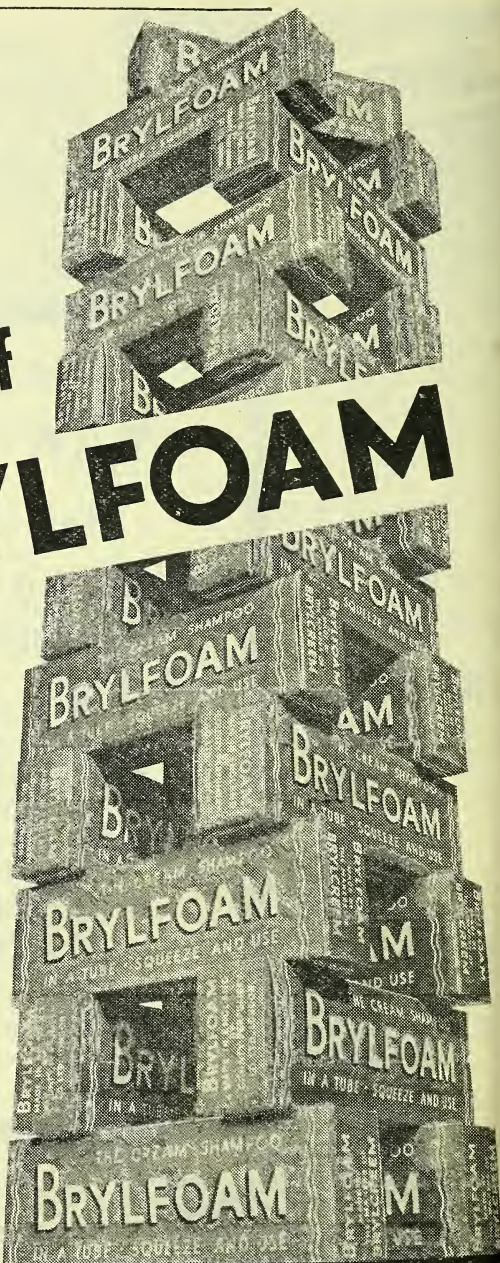
MORE REASON TO

Take  
good  
stock of

# BRYLFOAM

● Brylfoam is the largest-selling cream shampoo—because of the way it leaves the hair radiantly clean, sparkling with health. And bigger-than-ever advertising is going to make it a still bigger seller—national press advertisements alone mean readership by more than 20,000,000 women. Here's your opportunity to cash in on this by making a big feature of counter and window displays. Make sure you can always meet the demand for Brylfoam—it shampoos hair to perfection and is unequalled for efficiency, economy and speed . . . Speedy action, speedy sales, speedy profits!

COUNTY PERFUMERY Co. LTD.  
HONEYPOT LANE,  
STANMORE, MIDDLESEX.





PROPRIETARIES  
SUNDRIES DRUGS  
TABLETS & PILLS

FOR  
CHEMISTS

*Manufacturing  
Chemists*

Head Office & Works Mansfield Road Derby Telephone 4266 (4 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)

## ★ Good Lines in RUBBER SHEETING

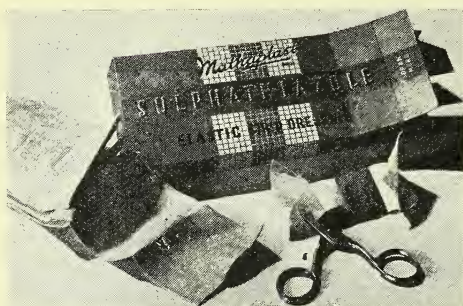
Eight qualities of rubber sheeting, both white and red, now available on attractive terms.

**DISCOUNT OF FIVE PER CENT ALLOWED ON PURCHASES OF TEN YARDS OR MORE OF ANY ONE QUALITY**

### PRICES

No. 127 Spec. White - -	3/- yard	R2 Red - - - -	6/- yard
W1 White - - - -	4/4 yard	R3 Red - - - -	6/3 yard
W2 White - - - -	4/10 yard	R4 Red - - - -	7/6 yard
W3 White - - - -	5/1 yard	JACONET (included in discount)	
W4 White - - - -	6/4 yard	36" - 2/8 yard	44" - 3/1½ yard

**ACDONALD & SON LTD** HOPE MILLS, POLLARD ST., MANCHESTER



and now . . .

## *"Mathaplast"* SULPHATHIAZOLE ELASTIC STRIP DRESSING

Surgical gauze impregnated in a solution containing 5 per cent sulphathiazole and stained with brilliant green, backed with adhesive plaster. Obtainable in 1 yard lengths and in widths of 1½", 2½" and 3". It

is intended for use as a dry dressing for small wounds, the essential feature being that the sulphathiazole content is sufficiently high to act as a bacteriostatic without giving rise to undue risk of allergy. Striking evidence of the antibacterial action of Mathaplast Sulphathiazole Elastic Strip Dressing is afforded by the fact that when removed from a septic wound, it comes away odourless.

Mathaplast Sulphathiazole Elastic Strip Dressing can be sold in this country without a medical prescription, the sale being controlled by Poisons Rule 10, under which it is exempted from the requirements of the First Schedule, as it is, therefore, treated as an ordinary poison which does not require an entry in the Poisons Register. This rule does not apply in Northern Ireland.

PRICES :—

1½" x 1 yard
2½" x 1 yard
3" x 1 yard

Trade  
per dozen

13/6
18/6
21/-

Medical & Industrial  
per dozen

18/5
24/6
28/-

Retail  
each

1/9
2/4
2/8

(Quantity Discounts allowed)

WILLIAM MATHER, LIMITED

Descriptive literature obtainable on request from :—

Dyer Street, Chester Road

Manchester, 15

England

(Plaster makers since 1826)

# Profit and 'Lustrset'

—Profit for you, from a particularly good line that displays well and is selling well. We are giving this setting cream immediate advertising in the National Press, so make sure the pack gets a display in your shop.

'Lustrset' ensures easy, lasting setting after shampooing, rinse or 'perm'—prevents dryness or dandruff and leaves hair firm and glossy.

If you are not already a 'Lustrset' stockist send for fuller particulars NOW. People will be asking you for 'Lustrset'—as advertised.

## CAMILATONE

CAMILATONE LTD

WELSH HARP · LONDON N.W.9



The striking counter display box will sell 'Lustrset' on sight



# *Fine* **CHEMICALS**

Burroughs Wellcome & Co. offer a selected range of fine chemicals on particularly advantageous terms to bulk purchasers.

Each is the product of long manufacturing experience and strict analytical control, and represents the highest attainable standards of quality and purity. Further details and quotations will be supplied on application to Bulk Chemicals Section, 183-193, Euston Road, N.W.1.

<b>ADRENALINE</b>	<b>HOMATROPINE HYDROBROMIDE</b>
<b>ADRENALINE BITARTRATE</b>	<b>HYOSCINE HYDROBROMIDE</b>
<b>BENZAMINE HYDROCHLORIDE</b>	<b>PETHIDINE HYDROCHLORIDE</b>
<b>CARBACHOL</b>	<b>STILBCESTROL</b>
<b>CINCHOPHEN</b>	<b>STILBCESTROL DIPROPIONATE</b>
<b>EMETINE HYDROCHLORIDE</b>	<b>OUABAIN</b>
<b>ERGOMETRINE</b>	<b>K-STROPHANTHIN</b>
<b>ERGOMETRINE MALEATE</b>	<b>SULPHAGUANIDINE</b>
<b>ERGOTOXINE ETHANESULPHONATE</b>	<b>THYROXINE-SODIUM</b>
<b>HISTIDINE MONOHYDROCHLORIDE</b>	<b>d-TUBOCURARINE CHLORIDE</b>

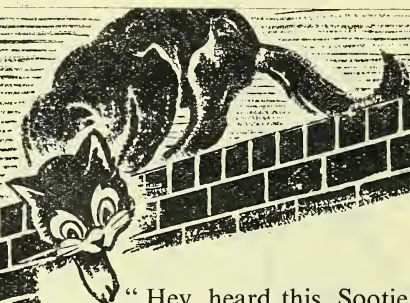


## **BURROUGHS WELLCOME & CO.**

(THE WELLCOME FOUNDATION LTD.) LONDON

Associated Houses:

NEW YORK MONTREAL SYDNEY CAPE TOWN BOMBAY SHANGHAI BUENOS AIRES CAIRO



"Hey, heard this, Sootie?"

"Not a shaggy man story!"

"No, it's something I saw in the Daily Growl. They say Bob Martin's terrific new Condition Powder Tablets campaign is going over big with the humans. Pretty good news for us, don't you think? Only hope the shops don't run out."

"You dogs are always thinking of yourselves. I may say that the Evening Mews last night said the same about the Tibs campaign. That's what I call good news!"

"All right, keep your fur on. Anyway, we ought to celebrate. Won't you join me in a small bone?"

"Sorry, I must fly. I'm going to throw a milkbottle-party!"

**Remember to STOCK UP NOW  
for the big summer demand**

BOB MARTIN LTD.  
Southport, Lancs.



# *The British Vacuum Flask Co. Ltd.*

*Vacuum Vessels of Fine Quality*



*Unrivalled* for elegance and design, the attractive Vacuum Jug illustrated above is an established fast selling line.<sup>★</sup> Supplied in five beautiful colours, Ivory, Green, Blue, Pink and Red.

*Trade enquiries invited.*



# JUGS & FLASKS

## FOR EXPORT



**Vacuum Jugs.** 1 pint size. Styled in elegant translucent plastic with floral design in low relief. Detachable base and plated cork cover. Pleasing colour range.

**"Frezeheat" Vacuum Flask.** 1 pint size. Strong metal canister with internal coating of rust minimising lacquer. Printed in attractive colours. Polished aluminium shoulder. Plastic drinking beaker.



**Vacuum Jugs.** Packed 25 Jugs per export quality steel banded outer. 22" x 22" x 11".  
 Nett 34 lbs. Gross 48 lbs.

**Vacuum Flasks.** Packed 50 Flasks per export quality steel banded outer. 22" x 18" x 18"  
 Nett 38 lbs. Gross 58 lbs.

**THE BRITISH VACUUM FLASK COMPANY LTD.**  
 LISSENDEN WORKS, GORDON HOUSE ROAD,  
 LONDON, N.W.5.

*Export enquiries invited.*

## The *original* butobarbitone

# 'SONERYL'

trade mark

For over a quarter of a century 'Soneryl' has met the demand of the medical profession for a general purpose barbiturate which, in varying dosage can produce an effect ranging from mildly sedative to powerfully hypnotic.

For sleeplessness  
associated with pain —

# 'SONALGIN'

trade mark

brand

butophen with codeine



manufactured by

## MAY & BAKER LTD

distributors:

HARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

## Supplies

### 'SONERYL'

#### Containers of

12 x gr. $1\frac{1}{2}$ tablets	1s. 8d.
25 x gr. $1\frac{1}{2}$ „	3s. 0d.
100 x gr. $1\frac{1}{2}$ „	10s. 6d.
500 x gr. $1\frac{1}{2}$ „	42s. 0d.

Exempt from P.T.

### 'SONALGIN'

#### Containers of

12 tablets	2s. 3d.
25 „	4s. 0d.
100 „	15s. 0d.
500 „	67s. 6d.

Subject to P.T.

48138

---

---

# THESE ARE THE BRITISH SCHERING

# TAX-FREE

# DISPENSING PACKS

---

The following packs of British Schering products have been designated as dispensing packs and became exempt from Purchase Tax as from May 2, 1949:

**'ATOPHAN'** Powder, 1 oz.;  
Tablets, 20, 100, 500; Balsam,  
50 gm tubes.

**'ATOPHANYL'** Ampoules,  
*Intravenous*, 5 ampoules of 10 cc.;  
*Intramuscular*, 5 ampoules of 5 cc.

**'BETA EUCAINE'** Powder,  
1 oz.

**'CYLOTROPIN'** *Intra*  
*venous*, 5 ampoules of 5 cc.  
*Intramuscular*, 5 ampoules of 5 cc.

**'NOVATOPHAN'** Powder  
1 oz.; Tablets, 20.

**'SYNTHALIN B'** Tablets  
1,000.

**'UROTROPIN'** Ampoules  
5 ampoules of 5 cc.; Tablets, 500

**'VASANO'** Tablets, 100.



---

167-169 GREAT PORTLAND STREET · LONDON, W.1

---

# CARNEGIES OF WELWYN

*specialize in the manufacture and distribution of*

**CL FINE CHEMICALS**



ALOIN  
AMINOPHYLLINE  
BISMUTH SALTS  
CHRYSAROBIN  
IODIDES  
SANTONIN  
STRYCHNINE  
THEOBROMINE  
QUININE AND SALTS  
ETC

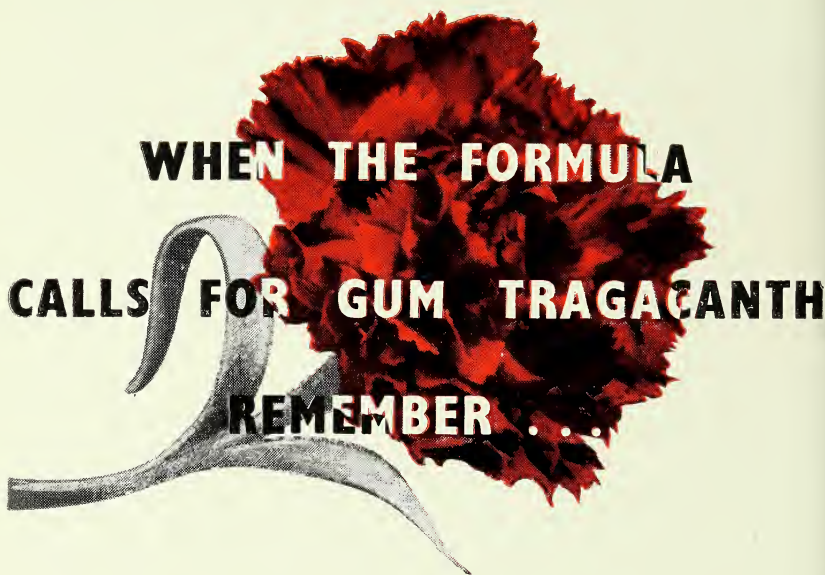
**CARNEGIE CHEMICALS (WELWYN) LTD**

**CARNEGIE QUININE WORKS LTD**

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

TELEGRAMS: CARNECHEM. WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

'CARNEGIES OF WELWYN' HAVE NO OTHER ADDRESS



Remember that if you cannot completely depend on the reliability of any one ingredient in your formula, the quality of your production is being jeopardised. Gum tragacanth, being a natural product, with natural imperfections and variations, can create production problems of this kind, *unless you make sure that they don't happen*, by specifying RED CARNATION the *stable* stabiliser.

RED CARNATION Brand Powdered Gum Tragacanth is gum tragacanth in a standardised form — uniform as regards viscosity, colour and fineness of powder. It is ground by a special process to ensure tenuity, it is tested at every stage of processing, and it is finally packed in airtight



tins, in four standard grades, so that you can be sure of receiving fresh gum tragacanth of exactly the same quality and characteristics every time you re-order. A 12 pp. illustrated booklet, "The Story of Gum Tragacanth" will be sent free on request by KIMPTON BROS. LTD., (Established 1882) 110 FENCHURCH STREET, LONDON, E.C.3. Telephone: ROYal 5544-5-6-7

# bandbox

## ORDER FORM

*Lose no time in getting stocks  
of these fast-selling bandbox lines*

*Direct or from your wholesaler*

### PLEASE SUPPLY :—

#### UNIT DOZ.

2.....	Doz.	bandbox	<b>COMB-A-CURL</b>	2/6d.
1.....	Doz.	„	<b>END PERM</b>	5/0d.
3.....	Doz.	„	<b>SHAMPOO</b> Liquid	10½d.
2.....	Doz.	„	„ „	2/6d.
1.....	Doz.	„	„ „	4/3d.
½.....	Doz.	„	„ „	7/6d.
3.....	Doz.	„	„ Cream (sachets)	6d.
1.....	Doz.	„	„ „ (tubes)	1/6d.
1.....	Doz.	„	„ „ (jars)	4/3d.
.....	Doz.	bandbox	Wave Set Thin 1/8d.	..... Doz. bandbox Hair Tonic 2/0d.
.....	Doz.	„ „ „	Thick 1/8d.	..... Doz. Crème Brill. 2/0d.
.....	Doz.	„	Hair Perfume 2/0d.	..... Doz. bandbox Brilliantine 2/0d.

NAME ..... DATE .....

ADDRESS .....

..... PLEASE ATTACH STICKER

**ITEMS ON THIS ORDER WILL BE  
SCHEDULED FOR IMMEDIATE DELIVERY**

SEE OVERLEAF

FOLD

LONDON, S.W.1

120/2, VICTORIA STREET,

ASHE LABORATORIES LTD.,

Id.

FOLD

# Staff Allens

Founded 1833

specialise in

## CLOVE OIL

AND ITS DERIVATIVES

•

### EUGENOL

•

### ISO-EUGENOL

•

### METHYL ISO-EUGENOL

etc., etc.



*Send us your enquiries and orders*

**STAFFORD ALLEN & SONS, LTD.,**

WHARF ROAD, LONDON, N.1. Telephone : CLErkenwell 1000

**FOR  
STEADY RISING  
SALES**

# COOPERS

Many of our stockists tell us that last season they sold more Cooper's Flyspray than ever before, in spite of the weather being unfavourable for the development of a heavy fly population.

Moreover, Cooper's Flyspray was the one most people asked for *by name*. This year, by stressing the point in our Press advertising and displaying the name strongly in all forms of publicity, we aim at making more and more people name Cooper's as the flyspray they want. Cooper's Flyspray and other Household Products provide a range that sells all through the year. Order your supplies now, or write for current Trade List if you have not received one.

**THE  
FLYSRAY  
THEY ASK  
FOR  
AGAIN**

## **OTHER COOPER HOUSEHOLD PRODUCTS**

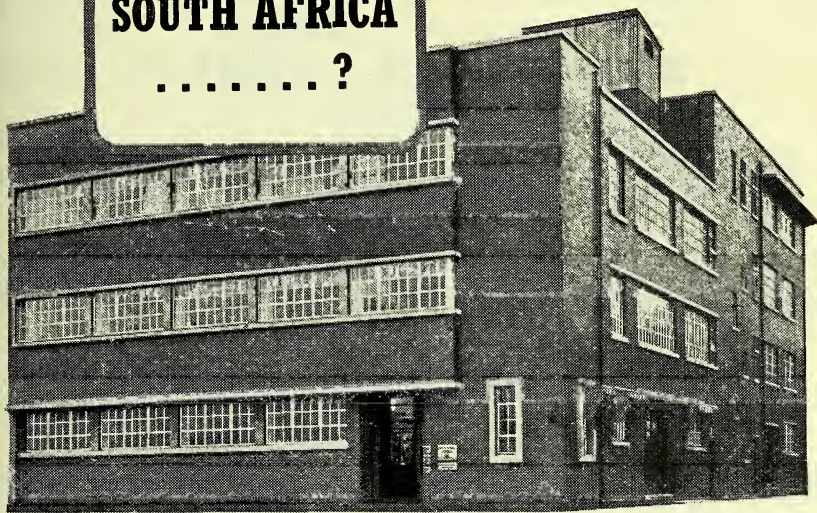
MOTH SPRAY, MOTHS POWDER,  
INSECT POWDER, PYNOL DISINFECTANT

**COOPER MCDUGALL & ROBERTSON LIMITED**  
BERKHAMSTED HERTS



## SALES IN SOUTH AFRICA

..... ?



# This Durban factory is ready to serve you

The ban on imported consumer goods into South Africa adds further value to the services offered to manufacturers by

**FASSETT & JOHNSON LTD.**

This fine factory recently built in Durban offers unrivalled facilities to British manufacturers now denied this valuable market.

The familiarity with local labour and with sources of raw material that has been built up by FASSETT & JOHNSON over many years of trading in the territory, gives them an experience that is now more than ever valuable to the manufacturer anxious to remain in or to enter this market.

In addition to full facilities for manufacturing British Proprietary products, and toilet preparations, FASSETT & JOHNSON offer, if required, a marketing service covering the Union and the Rhodesias. We invite enquiries which will be treated in confidence.

**FASSETT & JOHNSON LTD.,**

86, CLERKENWELL ROAD, LONDON, E.C.1. Clerkenwell 2336

Branch Head Office: FASSETT & JOHNSON LTD., 72/80, SMITH STREET, DURBAN.  
Also at Cape Town; Johannesburg; Port Elizabeth; and Bulawayo, Rhodesia.

# F. H. STEELE & CO. LTD

Manufacturing Chemists

**BLACKROCK, DUBLIN**

Telephone : DUBLIN 83610

Telegrams : DESTIL, BLACKROCK

. . . have pleasure in announcing that they have now obtained permission from the Board of Trade to Export to the United Kingdom. Their full range of high-quality and attractively packed products include :—

**MEDICATED PASTILLES • LOZENGES • TABLETS  
CHEMISTS' MEDICINAL CONFECTIONERY, Etc**

ALL TRADE ENQUIRIES will be dealt with PROMPTLY

Samples and prices on request

**NOW IS THE TIME to place orders for your winter trade**

## G. O. WOODWARD & CO. LTD.

MANUFACTURING CHEMISTS

*Manufacturers of*

**COMPRESSED MEDICINAL TABLETS**

**SPECIALISTS IN THE PREPARATION OF  
TABLETS TO CUSTOMERS OWN FORMULÆ**

**MODERN  
PLANT**



**PROMPT  
DELIVERY**

QUALITY AND ACCURACY IS GUARANTEED

All B.P., B.P.C. & N.F. tablets stocked

*Home and Export Enquiries Invited*

**G.O. WOODWARD & CO. LTD.**

144—146 LARKHALL LANE, CLAPHAM, LONDON, S.W.4. Phone: Macaulay 4375



THE CHEMIST'S  
CASE BOOK

The Pharmacist's advice is often sought — always respected. His reputation is substantiated by the established name of the product he recommends.

## **HYPEREMESIS GRAVIDARUM**

(Excessive Morning Sickness)

For pregnant mothers whose morning sickness persists throughout the day, Benger's Food is often the only form of nourishment that can be assimilated and the only means of forestalling a more serious derangement of the digestive system. The mother's need is for nutriment, not stimulant. Benger's Food supplies the perfect nutriment — milk — but so modified that its nourishment is retained and the digestive organs soothed.

***Another case for Benger's Food***

*90% of your customers need Benger's Food and are being educated to ask for it*

ORDERS & ENQUIRIES, PLEASE, TO



Made by BENDER'S LTD., a division of

**BRITISH CHEMICALS & BIOLOGICALS  
LIMITED**  
LOUGHBOROUGH, LEICESTERSHIRE

**THIS  
SUMMERS  
BEST  
SELLER**



**Cox's**

Inventors  
of the  
first  
D.D.T.  
flypapers

introduce

THE  
NEW

ARTISTIC COLOURED

**D.D.T. PARROT**

GUARANTEED 100% IMPREGNATED

EACH CAN KILL 10,000 FLIES

**ORDER  
NOW**

retail **4<sup>1</sup>/<sub>2</sub>** each

Also  
Cox's  
Original  
Flypaper  
**3<sup>d</sup>**

**JAMES COX & CO.**  
(Manufacturing Chemist)

368 Northolt Road  
S. Harrow, Middx.

Tel: BYron 4326



**C. Olley  
& Sons Ltd.**  
EST. 1844

**CORKS,  
STOPPERS,  
ETC.**

Telephone

Royal 4922/3

**CAMPERDOWN STREET  
LONDON · E.1**

**REGULAR DELIVERIES  
in ALL areas**

PROPRIETARY GOODS

Pharmaceutical Preparations

TOILET REQUISITES

Dressings and Cotton Wools

DRUGS AND SUNDRIES

We give an efficient wholesale service,  
and you can rely on courteous  
and careful attention to  
your particular needs.

**SIDNICK & CO. LTD.**  
11-12, FINSBURY SQUARE, LONDON EC2.  
Telephone: MONARCH 5642/3

# BUTLER & CRISPE

L. H. CRISPE

ESTAB. 1777

R. P. GOWER

SURGICAL DRESSINGS

CHEMISTS' SUNDRIES

TOILET GOODS

**N.H.S**  
NEEDS  
PROMPTLY  
DESPATCHED

**PRESCRIPTIVE  
PHARMACEUTICALS  
•  
PROPRIETARY  
MEDICINES  
•  
INFANT &  
INVALID FOODS**

**MOTOR  
•  
RAIL  
•  
POST**

SEND YOUR ORDERS OR ENQUIRIES TO:—

80/84 CLERKENWELL ROAD • LONDON • E.C.1

TELEPHONE: CLERKENWELL 3060 (15 lines)

GRAMS: 'ALLUWANT' SMITH, LONDON



Individually packed  
in cartons

## DISPLAY CARD OF 18

RETAIL **2/3** PRICE

Sole Distributors:

CRAIG &amp; PARSONS LTD., 82, Stafford Road, Wallington, Surrey

Phone: Wallington 3694

The remarkable success of the "Craigway" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL!

15/4 per doz. plus  
Purchase Tax

Usual discount to  
Wholesalers

# MILLAMALT



Sole Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 I.U., D400)  
Leyland Mills, Wigan. London Dept. 19 Brookside Rd. N (I.U. PER FL. OZ.)

Malt Extract with  
added Natural Vitamins

### HOME AND EXPORT

Saccharin Tablets  
available.

### TABLETING SERVICE

Available capacity for the compression of Tablets of any size—customers' own material preferred but not essential—Contracts arranged. Large quantities are handled hygienically and efficiently in our Factory, well equipped with modern machinery.

THE DALES ASPIRIN &amp; TABLETING CO., STEETON Nr. Keighley.

Phone: Steeton 3222

## A FINE SELLING LINE OF hot water bottles

Moseley moulded Hot Water Bottles are supplied in an attractive range of colours, whilst hand-made fabric reinforced are manufactured in red and white. The name 'MOSELEY' on every bottle stamps these goods as the products of a firm experienced for over a century in the finest workmanship in rubber.

# MOSELEY

*Further details, and terms, from:*

DAVID MOSELEY & SONS LTD  
Ardwick, Manchester, 12,  
and at 53/55, New Bond St., London, W.1.,  
54, George Rd. (Islington Row) Edgbaston,  
Birmingham, 15.



# TABLETS

# & PILLS

PACKED OR BULK

Our up-to-date equipment enables us to quote the lowest possible prices.

Special formulæ our speciality. All standard, official and semi-official products promptly supplied.

THE OLDEST SPECIALISTS  
IN THE TRADE  
ESTABLISHED 1768

Telephone: Canonbury 3466

## CASTLE HUSKISSON LTD

Manufacturing Chemists, Swinton Works, Moon Street, Islington  
LONDON, N.1.

# 'SANATOGEN'

*new ½ lb. size*

A new 8 oz. pack to replace the present 180 gm. tin. To comply with Government standards 'Sanatogen' will, in future, be sold in packs of 4 oz., 8 oz. and 2 lb. The price by weight remains the same: your profit margin is unchanged and customers get exactly the same value for their money. (Both these items are controlled by the Price of Goods Act.)



## PACKS AND PRICES

	Trade (Plus P. Tax)	Retail (Inc. P. Tax)
4 oz.	40/- per doz.	5/6 each
8 oz. (new size)	76/3 "	19/6 "
2 lb.	22/10 each	37/7 "

★ *As stocks become exhausted orders for the 180 gram size will be completed with the new pack.*

## GENATOSAN LTD.

*A Division of British Chemicals and Biologicals Ltd.*

LOUGHBOROUGH, LEICESTERSHIRE. Telephone: Loughborough 2292

*The word 'SANATOGEN' is a registered Trade Mark*

# Combined Operation ?

To ensure a happy landing for our new preparation!

INVITATIONS to Medical Practitioners, asking them to obtain a free sample 26-oz. Bottle of ROSE-HIP L.B.W. ORANGE BARLEY in exchange for their visiting card, are now appearing in "The B.M.J.," "The Practitioner," and "The Lancet" during June and July.

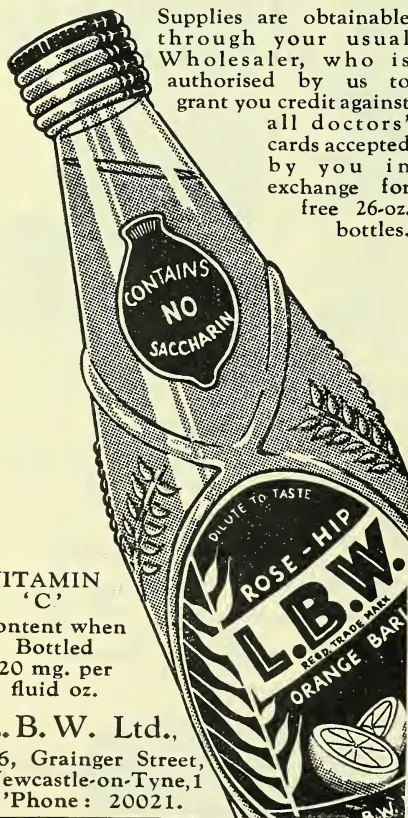
Will you please co-operate in this Scheme?

Supplies are obtainable through your usual Wholesaler, who is authorised by us to grant you credit against all doctors' cards accepted by you in exchange for free 26-oz. bottles.

VITAMIN 'C'

content when Bottled  
20 mg. per fluid oz.

L. B. W. Ltd.,  
46, Grainger Street,  
Newcastle-on-Tyne, 1  
'Phone: 20021.



The Warehouses of Cresswell Brothers and Marks.

We have warehouses at Aegina, Greece, and are represented at all major centres of the Sponge Industry throughout the world. Your enquiries will receive our courteous, prompt and knowledgeable attention.

We have no connection with any other firm advertising sponges or chamois leathers in this Journal

**CRESSWELL BROS. AND MARKS**

INTERNATIONAL PRICES  
5A, BUCK STREET, CAMDEN TOWN, N.W. 1

WE DELIVER TO ALL PARTS OF THE WORLD

## TEN MILLION NEWSPAPERS DAILY . . .

advertise "ORICOL" Instant Curl Capsules

Order supplies from your wholesaler.

Write for details free local advertising.

**GLAMA OF MAYFAIR**  
17 Dover Street · London · W.1  
Telephone: Regent 0356 (3 lines)

**DRUGS, GALENICALS, PROPRIETARIES**  
Makers of 'Vitasac'

**R. SUMNER & CO. LTD.**  
HANOVER STREET LIVERPOOL, 1

SV 124

## D.C.L. VITAMIN B<sub>1</sub> YEAST TABLETS

Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1.4 mgm. of Riboflavin, and 8 mgm. Nicotinic Acid. Each tablet contains 100 I.U. (approx.) Vitamin B<sub>1</sub>.  
100 TABLETS 3/9d. 50 TABLETS 2/3d.

MANUFACTURED BY

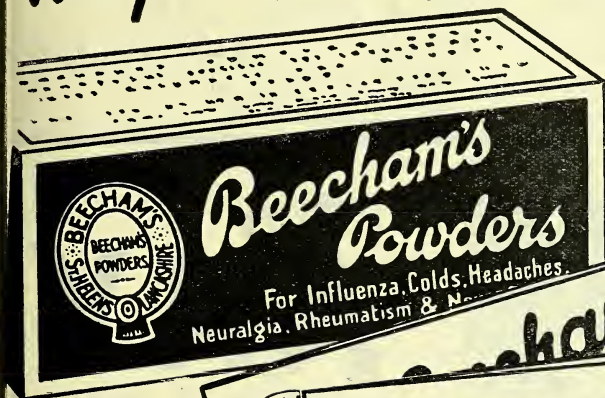
THE DISTILLERS CO. LTD., EDINBURGH.



# CATCH THE EYE of the passer-by!

*The  
Public  
Rely on*

When people need quick relief from Pain, Colds, or 'Flu they rely on BEECHAM'S POWDERS. Have you a good share of this turnover which is supported by widespread publicity on outdoor signs, by regular insertions in National and Provincial, Morning, Evening and Weekly papers and in a long list of Periodicals and Magazines?



*Write to the  
address below  
for new display  
materials which  
are now available.*

*They will help you to turn  
passers-by into regular customers.*

P.A.T.A.

**BEECHAMS PILLS LTD., ST. HELENS, LANC**

# HEWLETT'S TEETHING JELLY

*In collapsible tubes*

Cost 12/- doz. plus P. Tax 4/-.      Retail 1/10 Inc. Tax.

from your usual wholesaler or direct from:

**C. J. HEWLETT & SON, LTD.**

**35-43 CHARLOTTE ROAD, LONDON, E.C.2**

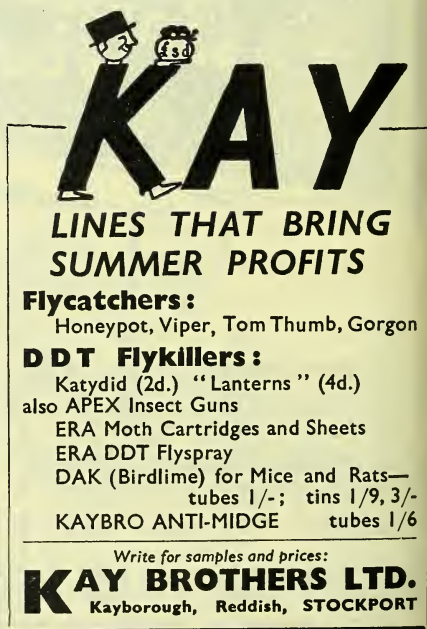
also at 48 CARSTAIRS STREET, GLASGOW, S.E



**TABLETS LOZENGES  
CAPSULES & PILLS**

**SUPPOSITORIES**  
and Pessaries of the  
B.P., B.P.C., N.F.,  
packed or in  
bulk, now available  
including Compound  
Bismuth Subgallate.  
"Own formulæ"  
prices on request.

**MATTHEWS & WILSON LTD**  
Established 1894  
**6-8, COLE ST. LONDON, S.E.1.**  
Proprietors of "SUDEX" Senna Pods  
Telegrams: PILLÉOLUM, SEDIST, LONDON. Telephone: HOP 2147-8



**KAY**

**LINES THAT BRING  
SUMMER PROFITS**

**Flycatchers:**  
Honeypot, Viper, Tom Thumb, Gorgon

**DDT Flykillers:**  
Katydid (2d.) "Lanterns" (4d.)  
also APEX Insect Guns  
ERA Moth Cartridges and Sheets  
ERA DDT Flyspray  
DAK (Birdlime) for Mice and Rats—  
tubes 1/-; tins 1/9, 3/-  
KAYBRO ANTI-MIDGE tubes 1/6

Write for samples and prices:

**KAY BROTHERS LTD.**  
Kayborough, Reddish, STOCKPORT

*Supplies are now available of*  
**NURONA**  
*Sunbronze*  
*and Suntan* **CREAMS**

Made to a formula originally designed for sun-ray practitioners, the efficiency of Nurona is unsurpassed.

Nurona prevents or relieves painful sunburn and assists rapid tanning.

JAMES WOOLLEY, SONS, & CO. LTD.  
Victoria Bridge, Manchester, 3



For  
**CHEMISTS  
ONLY**

A NEW  
PROFITABLE  
QUICK-SELLING LINE

**HOSTESS**  
FRUIT SQUASHER  
Making a host of friends

**RESTRICTED  
EXCLUSIVELY  
TO CHEMISTS**

**GOOD PROFITS**  
RETAIL PRICE - per bot. 2/-  
YOUR RETURN 33/- doz  
YOUR BUYING PRICE 24/9 ,,  
YOUR PROFIT - 8/3 ,,  
(equals 33 1/3 on cost)

**ATTRACTIVE VALUE**  
And a quality you can confidently  
recommend. The smart pack makes  
a most attractive display.  
Popular flavours. Orange, Lemon,  
Lemon and Orange, Pineapple,  
Applum (a Lime flavoured applum  
juice cordial).

ORDER THROUGH YOUR  
USUAL WHOLESALE CHEMISTS

CITRUS Products Co. Ltd. 87 Regent St. London, W.1

*Two popular products*

**Vitagrains**  
HEALTH SALTS

Parkinsons' Products  
known for over a  
century and backed  
by continual national  
advertising

**PARKINSONS' PILLS**

Write for full list of  
Parkinsons' Products

**PARKINSONS' HEAD & STOMACH PILLS**

P.A.T.A

**PARKINSONS OF BURNLEY**

## EVAN WILLIAMS

### Hair Beautifying Preparations

Firmly established in  
the favour of the  
public, with a sound  
reputation for over fifty  
years, based on quality,  
dependability and  
consistency.

EVAN WILLIAMS CO. LTD.  
Aintree Road, Perivale  
Greenford, Mddx.

*Every day brings new customers for*



# Bristow's

## BABY BRUSH • BABY CREAM BABY POWDER

Every day new babies arrive in your district, needing the comfort of Bristow's sterilised Baby Powder and Baby Cream. Every day, mothers-to-be and fond relatives are attracted to the hygienically-packed soft-as-silk Bristow's Baby Brush. So show these ready-selling lines on your counters—with the Bristow name for quality behind them; you are sure of satisfied customers.

### TERMS

Product	Retail Price Inc. P. Tax	Standard		Intermediate		Best		P. Tax Dox.
		Quan.	Price Dox.	Quan.	Price Dox.	Quan.	Price Dox.	
Baby Powder	1/6	2 doz.	9/8	6 doz.	9/2	12 doz.	8/8	3/2½
Baby Cream 1-oz	1/3	1 doz.	8/2	3 doz.	7/9	6 doz.	7/4	2/8½
Baby Cream 2-oz	2/0	1 doz.	13/1	3 doz.	12/5	6 doz.	11/9	4/4½
Baby Hairbrush	8/6	1 doz.	55/8	2 doz.	52/11	6 doz.	50/1	18/6½

# POLAWAX

SELF-EMULSIFYING STEARYL ALCOHOL

## Suggested Applications

### In Cosmetics

AFTER SHAVE CREAM  
BEAUTY CREAM  
COLD CREAM  
DEODORANT CREAM  
FOUNDATION CREAM  
HAIR CREAM  
HAND CREAM  
POWDER CREAM  
VANISHING CREAM

Literature and  
free testing sample  
sent on request

### In Pharmacy

ACRIFLAVINE CREAM  
BENZOYLE PEROXIDE CREAM  
CALAMINE LINIMENT  
EUSOL EMULSION  
NUPERCALINE OINTMENT  
PROFLAVINE-UREA CREAM  
SULPHANILAMIDE CREAM  
TURPENTINE/ACETIC EMULSION  
PENICILLIN CREAM BASE

## CRODA LIMITED

Administrative Office: CRODA HOUSE, SNAITH, GOOLE, YORKS.

Telephone: SNAITH 77 (3 lines)

London Office: 24 HAYMARKET, S.W.1

Telephone: WHITEHALL 4725/1

Manchester Office: 74 CORPORATION STREET, MANCHESTER 4

Telephone: BLACKFRIARS 801/1

Bradford Office: CENTRAL CHAMBERS, CHEAPSIDE, BRADFORD

Telephone: BRADFORD 2271/1

## LOSALL'S SALT

NEW SIZE  
and  
REDUCED PRICE

SELLING PRICE  
(including tax)

4 oz. Tins 1/6

8 oz. Tins 2/6

WHOLESALE  
PRICE

10/- & 16/6

Doz. + TAX



**LOFTHOUSE & SALTMER**  
LIMITED **HULL**

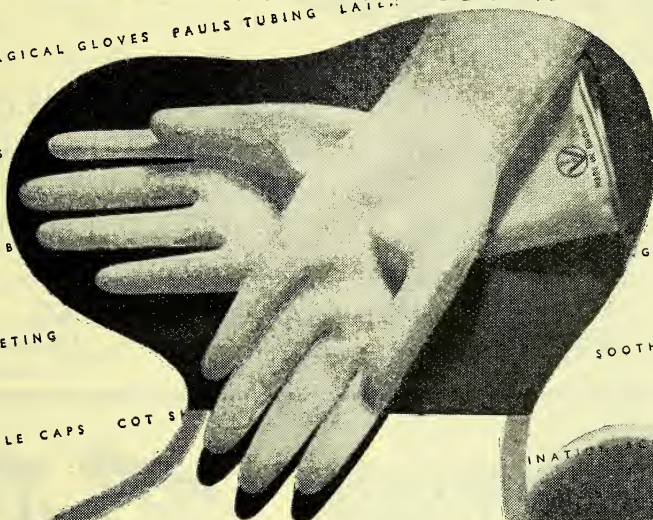
FOR THE PAST SIXTY YEARS the public has known, liked and relied upon... Box's Pills, as a fine remedy for digestive troubles. They are still a good profit-maker for the chemist, all year round.

**Box's Pills**  
FOR INDIGESTION

P.A.T.A. Retail Prices  
INCLUDING PURCHASE TAX  
1/5, 3/4, 5/5, 13/4, 24/2

W.H.Box 161 King St, Plymouth

ROPPER TEATS SOLUTION TOY BALLOONS FINGER-STALLS  
 SURGICAL • VETERINARY • INDUSTRIAL • DOMESTIC  
 DENTAL APRONS DIAGNOSTIC VETERINARY GAUNTLETS POST-MORTEM GLOVES  
 SEAMLESS RUBBER PRODUCTS



The quality of Veedip rubber products is relied upon by H.M. Government departments in England and overseas, and by hospitals all over the world. The Veedip patented processes of manufacture are unique in achieving the virtues which make up this quality. Veedip rubber is grainless and has the greatest resistance to tearing, is light in weight, odourless and durable. Veedip products can be sterilised time and again, are particularly suitable for use in the tropics, and cost no more than articles made by older methods.

**VEEDIP LIMITED**

T. HELENS WORKS SLOUGH • BUCKS • ENGLAND



## PREMIER ROLL FILMS

FILMS  
AVAILABLE  
FROM  
STOCK

8 EXP. PANCHROMATIC FILMS (30° SCH.)

8 EXP. ORTHOCHROMATIC FILMS (29° SCH.)

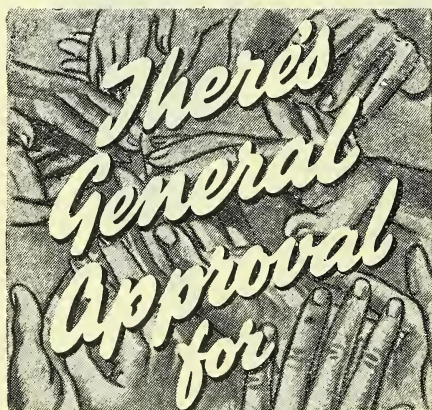
SIZES—PAN. P.20 P.62 P.27 P.16

ORTHO. P.20 P.62 only

### PREMIER PHOTOGRAPHIC SUPPLY CO.

67 CALEDONIAN ROAD • KING'S CROSS • LONDON, N.1

Tel : Terminus 5085



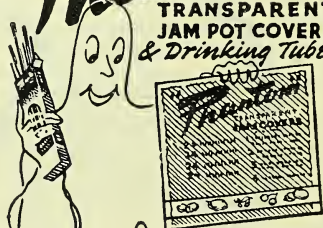
# Victory V

## GUMS & LOZENGES

FRYER & CO. (Nelson) LTD., NELSON LANCs

# "Phantom"

TRANSPARENT  
JAM POT COVERS  
& Drinking Tubes



... now retailing at  
9d. per unit.

Contents:

Drinking Tubes—approx.  
60 per packet.

Covers—24 sets (outer  
covers, waxed discs, rubber  
bands and gummed labels)

Prices and samples on  
application to:—

**ROBERT PETERS & Co.**

THURLAND STREET,  
NOTTINGHAM.

# 'ZAC-ly right!

For Baby — for Mother — for You — ZAC Baby Cream and ZAC "Lullaby" Baby Powder are exactly right. Right for Baby's delicate skin. Right for Mother who wants the best at moderate price. And right for YOU because these two lines are first-class "repeaters"; show you excellent profit (particularly when ordered with other H. H. & Co. packed pharmaceuticals); and are consistently backed by both National and local advertising.

## Nationally Advertised

Powerful advertisements for ZAC Baby Products are currently appearing in all the leading Women's weekly, fortnightly and monthly magazines. Steadily increasing Sales are certain. How are your stocks?

Retails at

**1/5**

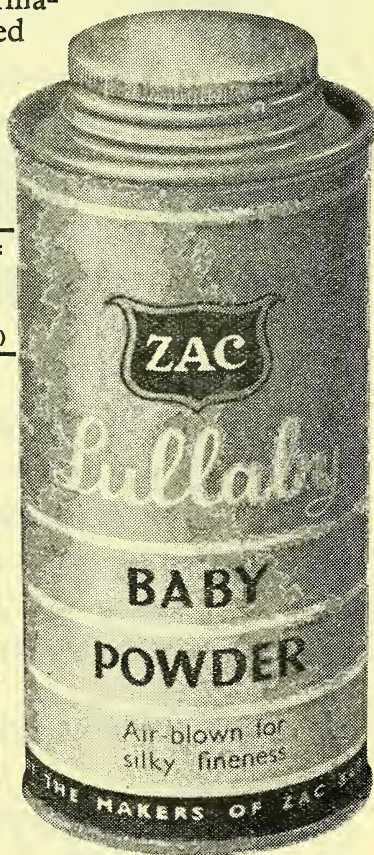
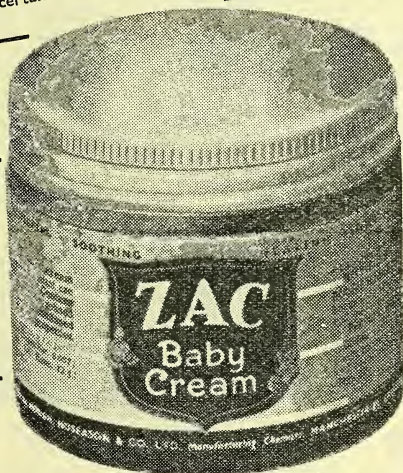
(inc. tax)

Retails at

**1/6**

(inc. tax)

2/6  
Double  
Quantity.



**HOUGH, HOSEASON & CO. LTD.**  
ATLAS LABORATORIES . MANCHESTER, 19



## Be prepared for bigger sales!

The Progress Shaving Brush Company has great pleasure in announcing an intensified retail sales campaign for Vulfix Service Shaving Brushes:

- 1) NATIONAL ADVERTISING CAMPAIGN. Over 30,000,000 press advertisements will appear during the next three months, adequately supported by extensive London Underground displays.
- 2) GUARANTEE. A two-years guarantee is given with every brush. The VULFIX Service Shaving Brush is a quality article and only PURE BRISTLES are used.
- 3) PRICES TO SUIT EVERY POCKET. We make four popular styles: Service No. 1, Service No. 2, Service No. 3, and Service No. 4. Fixed retail selling prices range from only 3/11 each. Here is a best-seller! Stock up now!

Contact your wholesaler or write direct:

# VULFIX<sup>®</sup> Service Shaving BRUSHES

PROGRESS SHAVING BRUSH Co., Ltd., Mottram Street, Stockport  
49 Leadenhall Street, London, E.C.3.

**THE BRUSH WITH THE TWO YEARS GUARANTEE**

**We have over 60**  
● ● ● ● ● ●  
**years experience**  
● ● ● ● ● ●  
**of making pills,**  
● ● ● ● ● ●  
**capsules and tablets**  
● ● ● ● ● ●  
**for home and overseas**  
● ● ● ● ● ●

**HOWARD LLOYD  
& CO. LTD.  
LEICESTER**



**Galjado**  
THE UNIVERSAL FAVOURITE  
FOR OVER  
20 YEARS

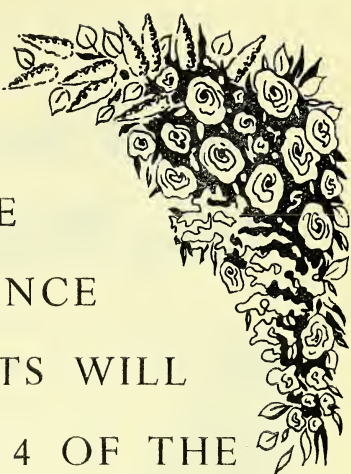
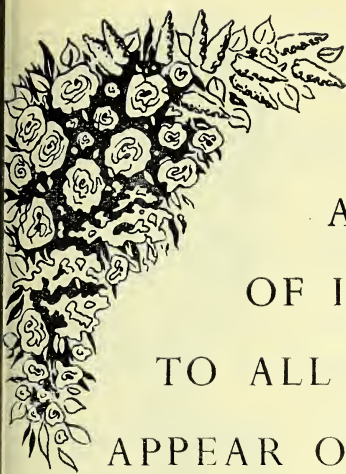
**HAIR COLOUR RESTORER**  
H.T.A. For Grey and Faded Hair P.A.T.A.

Complete Catalogue of Perfumery and Toilet Preparations sent on request

All products obtainable from your usual wholesaler or direct from

**S. SIGAL & CO. LTD.**

MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS  
47 TABERNACLE STREET, LONDON, E.C.2



A NOTICE  
OF IMPORTANCE  
TO ALL CHEMISTS WILL  
APPEAR ON PAGE 4 OF THE

# Daily Mirror

ON TUESDAY 28<sup>TH</sup> JUNE



# Good business this **Nufix**



**L**IGHT, creamy Nufix is a hair dressing customers know by name, remember for its quality, ask for again — and again. An extra-special dressing with a reputation to match — backed by new, hard-hitting national advertising.



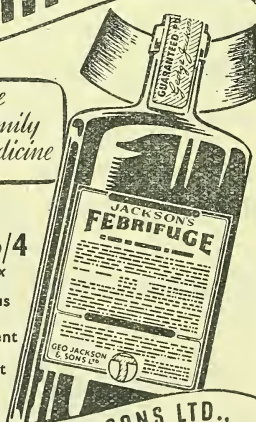
## JACKSON'S FEBRIFUGE



*the  
family  
medicine*

1/7, 3/10, 6/4  
inc. Purchase Tax

Also other famous  
specialities:—  
Camodine Ointment  
and  
Drawing Ointment



GEORGE JACKSON & SONS LTD.,  
Brewery St, Harpurhey, Manchester. 9.

*Dental Sticks  
are specially  
made for  
massaging the  
gums — They  
are not Tooth-  
picks —*

Dental Sticks are manufactured from various types of specially selected soft and hard woods and also from whalebones and are intended entirely for massaging the gums between the teeth.

**BRITISH DENTAL STICKS LIMITED**  
NEWCASTLE-ON-TYNE 4

# **IMPORTANT ANNOUNCEMENT**

## **Silvikrin, Silvifix and Kemt**

As a result of a change of ownership of Silvikrin Laboratories Ltd, all orders after 1st July 1949 for

**Pure Silvikrin**

**Silvikrin Hair Tonic Lotion**

**Silvikrin Hair Tonic Lotion with Oil**

**Silvikrin Shampoos**

**Silvifix**

**Kemt**

should be addressed to:

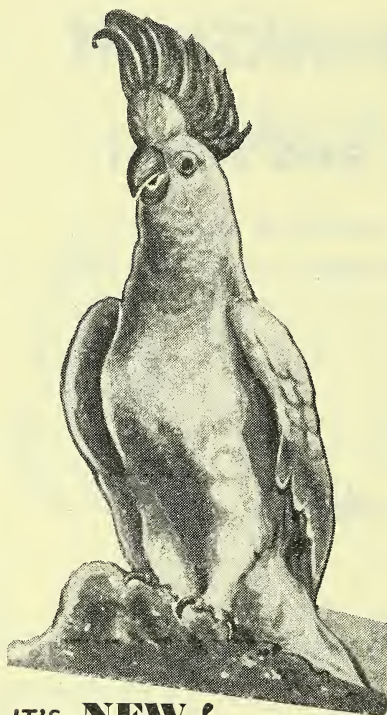
**PRICHARD & CONSTANCE (Mfg) Ltd**

[Sole Selling Agents for Silvikrin Laboratories Ltd]

**North Circular Road, London, N.W.10**

**Telephone: Elgar 8095**

**Note: This announcement does not apply to Scotland or Northern Ireland.**



**IT'S NEW!  
IT'S LOVELY!**

ITS THE **"SUREKILL"**

**D.D.T.**

**Green Cockatoo**

Beautifully Coloured

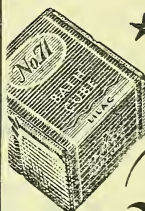
RETAIL **4<sup>d</sup>.** EACH

*Silverthorn Manufacturers Ltd*  
SPRINGFIELD WORKS - CHINGFORD - LONDON - E.4

SILVERTHORN 5625 - 2483

LARKSWOOD 6140

MEMBERS OF THE ASSOCIATION OF MANUFACTURING CHEMISTS



★ **NATIONALLY  
ADVERTISED**

**No. 71 perfumed  
BATH CUBES**

Delightfully perfumed  
Attractively packed

**Make your Counter pay dividends**

RETAIL **3<sup>1</sup>/<sub>2</sub>d.** per cube  
PRICE **1/9d.** packet of 6 cubes  
(assorted perfumes)

*Generous profit margins*

**G. HAVINDEN LTD.**  
**71 BAKER STREET, LONDON, W.1**

# It isn't safe

...TO WEAR PERFUMES

BY PETER CLARIDGE...

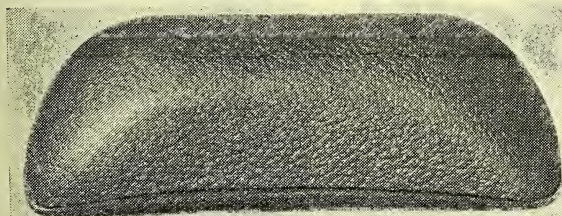
they're too attractive! That is the theme behind "Dual Control" and "Smart Party" the two new creations of this brilliant young perfumer.

**And** it isn't safe to let your stocks of these two new perfumes get low now that the intriguing National advertising on this theme has started. The attractive self-selling display packs, and the retail price of 2/- ensures a ready sale for these attractive perfumes. If our representative has not already called, ask your wholesaler or write for trade terms and details to:

**PETER CLARIDGE LTD**

NEW BOND STREET · LONDON · W.1

*Immediate delivery . . .*

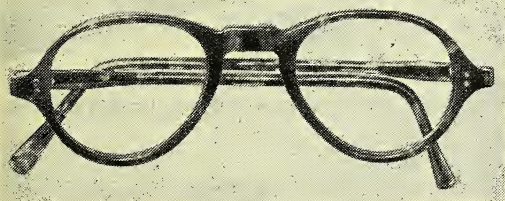


METAL CASE  
covered  
Rexine Brand  
Leather cloth,  
Spring Lid,  
Hockey End

## The "FORSETTA" Series

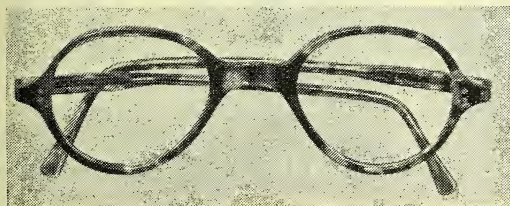
High Quality Spectacle Frames

ALL SIZES — KEEN PRICES



No. 524 Pad Bridge

CONTOUR EYE,  
REINFORCED SIDES,  
SCREW JOINT,  
N.H.S. SPECIFICATION,  
IN BROWN, MOTTLED,  
BLACK, FLESH, CRYSTAL  
AUTUMN LEAF,  
DEMI-BLONDE  
in all sizes



No. 514

*May we send you a three dozen assorted sample parcel ?*

UNCUT LENSES (FRENCH) APPROVED BY M.O.H.  
TORICS, MENISCUS AND FLATS. ALL POWERS.

# Sir John Pratt & Co

(PROPRIETOR: SIR JOHN PRATT, J.P.)

Manufacturing Opticians

89 Forset Court, Edgware Road, London, W.2

TELEPHONE: PAD 4104

# Stops Scurf

## Page-Barker's

Scurf & Dandruff Lotion

Trade 20/- doz.

Plus Tax  $\frac{1}{4}$  Retail 3/4

Ask for Showcard

*Money Back  
Guarantee  
on every bottle!*

Sole Distributors to the Chemists' Trade—

**THOS. CHRISTY & CO. LTD. FARNHAM, SURREY**

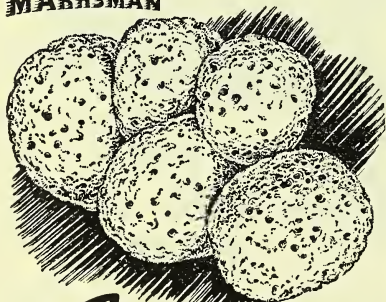
Sole Manufacturers and Proprietors:—

**THE ILEX SUPPLY CO., LTD., 252b, GRAY'S INN ROAD, LONDON, W.C.1**



**P.A.T.A.**

## MARKSMAN



# Sponges

SEND TODAY FOR A COPY  
OF OUR LATEST PRICE LIST

**Leslie Marks & Company Ltd.**

Importers and Exporters of Fine Sponges,  
Chamols Leather Dressers

**3-9 EARLHAM STREET, CAMBRIDGE CIRCUS  
LONDON, W.C.2**

Temple Bar 6135/6



VELOUTY is nationally advertised again.  
Increase Your sales of Velouty. Send today  
for Showcards and Display Material, giving  
the address of your Wholesaler.

Shades: Ivory and Natural. Prices 11½d.  
and 1/9½ (inc. Tax)

**VELOUTY**  
*The ORIGINAL  
combined Powder-Cream* **de DIXOR**

**DIXOR LTD. ST. LEONARDS WORKS, MORTLAKE, S.W.14**



# Thompson's

lb. Retail 2/6 — 24/- doz.  
lb. „ 4/4½ — 42/- „  
No Purchase Tax

Dandelion Coffee Essence:

1/- bottles — 9/6 doz.  
1/6½ „ — 14/6 „  
No Purchase Tax

## DANDELION COFFEE

Packed in hermetically sealed tins, thus retaining all the natural aroma of Dandelion Coffee.



### POTTER & CLARKE LIMITED

60-64 ARTILLERY LANE, LONDON, E.1  
Phone: BISHOPSGATE 4761. Grams: HOREHOUND, Phone, London

77 DANTZIC STREET, MANCHESTER  
Phone: BLACKFRIARS 8734. Grams: HOREHOUND, Manchester

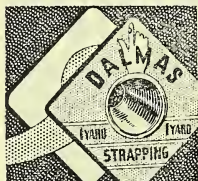
## News from DALMAS of Leicester

# New waterproof protection for cuts

## A NEW-TYPE ADHESIVE STRAPPING

**Waterproof . . . has 101  
First-Aid uses**

DALMAS STRAPPING, a new *waterproof* plastic adhesive with 101 first-aid and other uses, is now in widespread demand everywhere. Because of this, supplies have been greatly increased.



*These spools are handy*

Dalmas Strapping can be cut to any size, gives 100% protection against water, dirt, grease and acid. That's why it's specially suitable for tiny cuts, sore places, torn finger nails, etc. In particular, it is ideal wherever the fixing of a bandage would be awkward. Dalmas Strapping stretches *all* ways, so edges stick tight while allowing free movement of joints and muscles. Attractive counter sell-outs contain twelve 1/- spools, each 1 inch by 1 yard, price 8/-, or 24 spools, price 16/-. Also available in 2 inch and 3 inch widths.

**DALMAS HEEL DRESSINGS.** A new *waterproof* dressing that is specially designed for sore and blistered heels. Handy boxes, price 1/- retail.

**DALMAS FINGER-TIP DRESSINGS.** A new *waterproof* adhesive protection for cracked, cut or sore finger-tips. Handy boxes, 8/- per dozen, to retail at 1/- each.

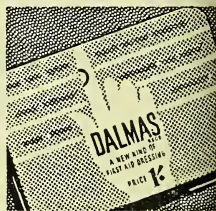
**DALMAS BOIL PLASTERS.** A new *waterproof* protective dressing for boils. Skin-coloured, hardly shows. Handy boxes, price 10d. retail, including tax.

*Heavy demand for  
Dalmas First-Aid  
Dressings*

TO meet the nation-wide demand, we have further increased supplies of Dalmas, the *waterproof* plastic dressing that offers a totally new method of protecting cuts and minor wounds.

Dalmas gives 100% protection against water, dirt, grease and acid. So you need only cover the affected place and . . . no further trouble! You can actually *wash with it on*.

Dalmas stretches *all* ways (not just one way). That's why edges stick tight, cannot fray, cannot catch in clothes. What's more, Dalmas lessens infection risk, promotes safe and easy healing.



*Display this box on your counter*

Dalmas is skin-coloured, hardly shows. In attractive blue-and-white counter sell-outs, containing three dozen 1/- boxes, price 8/- per dozen. Special quantity discounts. **PLACE YOUR ORDER NOW!**

**A. de St. Dalmas & Co. Ltd.**

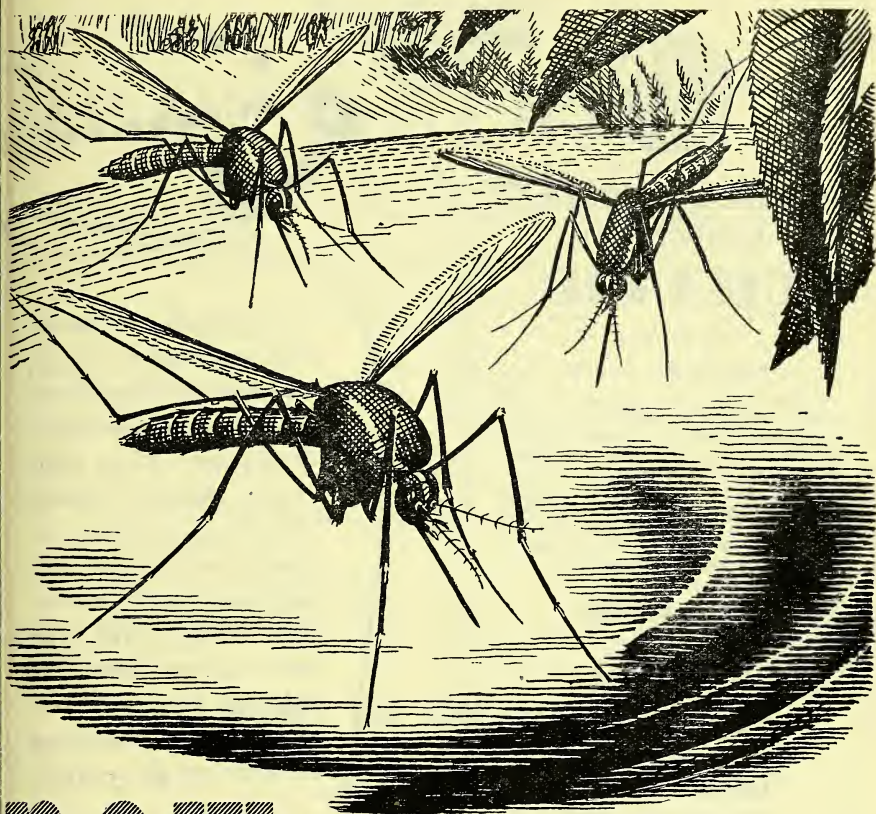
LEICESTER (Phone: Leicester 65261)

London Depot: 140-142 St. John St., E.C.1  
(Clerkenwell 3399)

Leeds Depot: 14 Neville Street  
(Leeds 29764)

Scottish Agents:

Robert Telford, 29 Waterloo St., Glasgow, C.2  
(Central 2716)



**NOW** *is the time . . . .*

to display 'Sketofax' prominently—and let it sell itself. Attractive display outers and showcards are available. A bonus of 13 to the dozen is given on orders of three dozen or over. Retail price: 1/4, plus 4d. tax.



# 'SKETOFAK' CREAM INSECT REPELLENT

BRAND


BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

(T. 28c)



PATA

**KNOLL LIMITED**  
LONDON, W.1

**DICODID**

TRADE MARK BRAND

Dihydrocodeinone

**Powerful Antitussive**

In respect to its action "Dicodid" stands midway between morphine and codeine. It possesses a definitely specific influence on the cough centre, three daily doses of only gr. 1/13 being equal to three doses of gr.  $\frac{1}{2}$  codeine. There is but slight interference with expectoration, so that the preparation may also be used in cases where retention of sputum would mean danger to the patient.

**DILAUDID**

TRADE MARK BRAND

Dihydromorphinone

**BROMURAL**

TRADE MARK BRAND

Bromisovalerianylurea

**CARDIAZOL**

TRADE MARK BRAND

Leptazol

**Cardiazol Dicodid**

TRADE MARK BRAND

Leptazol with Dihydrocodeinone

**"Cardiazol" Ephedrine**

TRADE MARK BRAND

Leptazol with Ephedrine

**Calcium "Diuretin"**

TRADE MARK BRAND

Theobromine-calcium-salicylate

**Iod Calcium "Diuretin"**

TRADE MARK BRAND

Iodo-theobromine-calcium-salicylate

**STYPTOL**

TRADE MARK BRAND

Cotarnine phthalate

**VERITAIN**

TRADE MARK BRAND

and

**VERITOL**

TRADE MARK BRAND

Brands of Pholedrine

DISTRIBUTED BY

**Savory & Moore Ltd.**

Chemists to The King

Lawrence Road, Tottenham, N.15

A word  
in your ear...



Three main reasons for the high reputation of 'Oxoid' Therapeutical Preparations are—Constant research and development of new techniques; complete technical control at all stages of manufacture; and, last but not least, a particularly rapid delivery service. The latter ensures that your orders, by telephone, letter or telegram, are despatched the day they are received.

*The many 'Oxoid' preparations include—Synthetic Hormones, Vitamins, Anti-anæmic and Glandular Preparations.*



**OXO LIMITED**

(Medical Dept.)

THAMES HOUSE

QUEEN ST. PLACE

LONDON, E.C.4

Telephone :

Central 9781

# *The* **CHEMIST AND DRUGGIST**

for RETAILER—WHOLESALE—MANUFACTURER

JUNE 25, 1949

**Published weekly at 28 Essex Street, Strand, London, W.C.2**

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Single copies 1/- each. Annual subscription, which includes *The Chemist and Druggist Diary and Year Book*, 30/-

No. 3618

## CONTENTS

Volume GLI

A Pharmacist's Anthology ... .. 844	Jenner, Pioneer of Vaccination ... 853
Births ... .. 830	Local News ... .. 826
Business Changes ... .. 834	Lymph Production at Lister Institute 855
Chloramphenicol in Typhoid Fever . 839	Marriages ... .. 830
Coming Events ... .. 864	New West End Showroom ... .. 856
Company News ... .. 834	News of the Week ... .. 825
Deaths ... .. 830	Overseas News ... .. 828
Drug Collection in North Carolina . 857	Personalities ... .. 831
Editorial Articles:—	Pharmaceutical Society of Ireland ... 858
N.H.S. Costs, Cuts and Prospects 841	Report on Tenure and Rents ... .. 835
Jenner and Smallpox ... .. 842	Resale Price Maintenance Report ... 836
Security of Tenure... .. 842	Scottish Executive Election Results . 835
<b>FIRST YEAR OF NATIONAL</b>	Standardised Liver Extract ... .. 837
<b>HEALTH SERVICE—Symposium 844-52</b>	Topical Reflections ... .. 829
Gadgets from a Hospital Pharmacy . 838	Trade Marks ... .. 864
Information Wanted ... .. 840	Trade Notes ... .. 832
Irish News ... .. 828	Trade Report ... .. 860

## NEWS OF THE WEEK

**N.H.S. Rota Payments.**—The Minister of Health has advised Executive Councils that payments to chemist-contractors for rota services should not be delayed until full payment for prescriptions can be made; final statements of account for any particular month's dispensing should include, in addition, payment for rota services in any subsequent months for which claims have been certified by the Council.

**International Students' Conference.**—A meeting of the International Pharmacy Students' Federation is to be held in London, August 23-26, to discuss and ratify a new constitution. Student bodies in fifty-five countries have been invited to send representatives. Students in Great Britain may obtain further particulars from the Secretary of the British Pharmaceutical Students' Association, 3 Endsleigh Street, London, W.C.1.

**Research Development Corporation.**—Conditions for the appointment of members of the National Research Development Corporation, to be set up under the De-

velopment of Inventions Act, 1948, are laid down in the National Research Development Corporation Regulations, 1949 (S.I., 1949, No. 1097, H.M. Stationery Office, price one penny. [The Corporation is intended to assist inventors without resources or commercial backing to develop inventions that are proved valuable.]

**Millionth Camera to Minister.**—When he visited the works of Kodak, Ltd., Harrow, on June 15, Mr. Harold Wilson (President of the Board of Trade) was presented with a Brownie box camera, the millionth box camera to be made at the works since the war. The presentation was made by Mr. E. Jackson, who has a twenty-six-year record of service with the company. Mr. Wilson congratulated the workers on the company's fine export effort, which had earned the country £3 millions of foreign currency in 1948.

**Medical Trade Unionists' Views.**—A report on health centres issued recently by the Medical Practitioners' Union recommends that in towns a health centre should be built, usually, for every 20,000 of the

population, with a number of smaller satellite centres where there are sparsely populated areas grouped round a densely populated area. The report suggests that the services available at centres should be limited to avoid duplication of those provided at out-patient departments of hospitals, etc. During the day patients could obtain their drugs from chemists' shops, but each centre should have a small dispensary to be open during the evening and at certain times at the week-end. For this purpose, says the report, a "visiting pharmacist" would be required.

**S.C.I. Annual Meeting.**—The sixty-eighth annual meeting of the Society of Chemical Industry is being held in Manchester, July 11-15. Lectures on "The Technical Development of Fermentation Processes" and "The Production of Vitamins by Fermentation" have been arranged by the Fine Chemicals Group of the Society, and Professor Paul Karrer, Ph.D., D.Sc., is to give "A Short Survey of the Biological Significance of the Vitamins and Related Substances." Dr. Foster Dee Snell, to whom the Society's medal is to be presented, is to speak on "Detergents and Detergency." Works to which visits have been arranged include those of Thomas Hedley & Co., Ltd., British Schering Research Laboratories, Ltd., Manchester Oil Refinery, Ltd., Petrochemicals, Ltd., Shell Chemical Manufacturing Co., Ltd., and Imperial Chemical Industries, Ltd.

**Review of Soap Entitlements.**—The Ministry of Food is now prepared to consider applications for additional soap credits from chemists whose existing credits are below the appropriate level (400 rations per eight weeks) fixed for new entrants. Additional credits will not be granted to retailers whose existing credits, because of previous dissipation of credit, have fallen below the new entrant level. To assess a trader's entitlement the Ministry will compare the average credit available to him for his domestic trade during the two 8-week periods beginning January 30 and March 27 with the credit granted to him at the time his account was opened. The higher figure will then be compared with the new entrant level. Retailers who consider they have a case for review should apply to their local Food Office during ration period No. 2 (June 19-July 16). Any additional soap credits to which they may be entitled will be granted on the deposit slips, SP.2, issued at the beginning of ration period No. 3.

## LOCAL NEWS

**Reigate and Redhill Officers.**—At the annual meeting of the Reigate and Redhill Pharmacists' Association, recently, the following officers were elected:—*Chairman*, Mr. J. R. Heather; *Vice-chairman*, Mr. H. J. Sadler; *Treasurer*, Mr. G. T. Johnson; *Secretary*, Mr. S. W. Hawkins, Prices Lane, Reigate.

**No Pharmacy on Housing Estate.**—The Housing Committee of Bradford Corporation has decided to take no action for the time being, in response to a request made by the local Pharmaceutical Committee, through the Health Committee, for suitable premises for a pharmacy to be made available on a new Corporation housing estate at Buttershaw.

**Chemists' Golf at Seaton Carew.**—The Northumberland and Durham Chemists' Golfing Society met at Seaton Carew on June 15 under ideal conditions to compete for the Johnson & Johnson trophy and the Bleasdale tankard. The trophy was won by Mr. T. Beattie, M.P.S., 7 net (10); the tankard was won by Mr. V. Hardy, M.P.S., Sunderland, 78 net (17).

**Edinburgh Chemists' Golf.**—Winner in a competition held by the Edinburgh Chemists' Golf Club at Bruntisfield, recently, were as follows:—*Virol prize* and *scratch prize*, Mr. J. B. McCaig (3) 74 club prizes (No. 1 section) (1) Mr. H. F. Gauld (8), 78; (2) Mr. A. H. Gillies (9) 79; (No. 2 section) (1) Mr. A. H. To (15), 76; (2) Mr. J. J. Ferguson (20), 77.

**Society's Exhibit at Harrogate.**—The times at which the Pharmaceutical Society exhibit at the annual meeting of the British Medical Association (see *C. & D.*, June 18 p. 705) is to be open to members of the local branch of the Society have been extended to include Wednesday afternoon and Thursday afternoon, June 29 and 30. The exhibit is being staged in the pathological department of the Royal Bath Hospital, Harrogate, and not as previously stated.

**Pharmacy Students' Visits.**—Members of the Pharmacy Students' Association of the Merchant Venturers' Technical College, Bristol, were recently taken on a tour of the Wellcome Museum of Medical Science, London, and the Wellcome Research Laboratories, Beckenham, where they were entertained to lunch and tea. The visits concluded with a showing of the film "The Preparation of Diphtheria Antitoxin and Prophylactics," produced by the

Wellcome Film Unit. The party was accompanied by Mr. W. Cooper and other lecturers from the College.

**Middlesex N.H.S. Dispensing.**—National Health Service prescriptions dispensed in Middlesex in January numbered 104,037 (an average of 1.6 prescriptions per form), i.e., 2.6 times the number dispensed under National Health Insurance in January 1948. Ingredient costs in January 1949 totalled £84,505 (3.3 times the 1948 figure), dispensing fees £51,969 (5.1 times 1948). The total prescription cost was £147,021 (4.1 times 1948). The number of persons on doctors' lists had increased to 2,328,401 (from 1,125,006) and the prescription frequency per patient was 0.43 (against 0.33 in January 1948).

**M.O.H. Spokesman at Worthing.**—At a meeting held by the West Sussex Pharmaceutical Committee at Worthing on June 4, Mr. T. Cole in the chair, Miss E. Mozley-Stark, Ph.C. (pharmaceutical section, Ministry of Health), answered members' questions on National Health Service topics for about one-and-a-half hours. The chairman, thanking Miss Mozley-Stark for her explanations, said the West Sussex Pharmaceutical Committee would in future regard the Ministry of Health's pharmaceutical section not just an address but as a body of pharmacists working for the benefit of the profession.

**Presentations to Staff.**—At a dinner given by Evans Medical Supplies, Ltd., recently, to representatives and managerial staff, Mr. Ian Fergusson (chairman and managing director), presented the Evans Cup to Mr. W. R. B. Sheldon (chemists' representative in South-west Lancs). Runner up was Mr. J. P. Cargill (chemists' representative attached to the company's London house). On June 8, Mr. Fergusson made long-service presentations to the staff in the company's principal overseas establishments. Among the fifteen recipients were a director (Mr. E. J. Sendall, M.P.S., with forty years' service), and Mr. J. A. Davies (with twenty-five years' service), who is now in charge of the company's Melbourne office. Mr. Fergusson said that sales during 1948 had reached a record level.

**Pharmaceutical Tests on Animals.**—G. F. Somers (Glaxo Laboratories, Ltd.), speaking at a meeting of the Harlow Branch of the Pharmaceutical Society in Chesham on May 25, described the pharmacological tests on animals that were

carried out on a new chemical substance before its release for clinical trials. Illustrating his remarks with references to Hepatolgin, Dr. Somers said that initial tests had shown the new drug to have a high analgesic activity combined with low toxicity. The compound had then been examined in detail for other pharmacological properties such as its effect on respiration and the heart, and for possible spasmolytic properties; it had been administered daily to animals over a long period to ensure freedom from chronic toxicity. Mr. T. Marsh then described the clinical development of the drug, emphasising that animal tests could act only as a guide to the value of the drug on humans. He described the difficulties of assessing analgesic activity in man, and said the great variations between individuals and their responses was especially marked for synthetic analgesics.

**Pricing Problems Reviewed.**—Addressing the Reigate and Redhill Branch of the Pharmaceutical Society recently, Mr. F. C. Wilson (a member of Council) said hundreds of prescriptions were being received at pricing bureaux each month endorsed "D.D.A." but which did not, in fact, come within the provisions of the Dangerous Drugs Act. Such wrong endorsement created unnecessary delays. Mr. Wilson, explaining the basis upon which proprietaries would be priced, said that during May and June it would not automatically be assumed that any prescription had been dispensed from a purchase-tax-free pack. For subsequent months it was hoped to have an agreed list of proprietaries that would be priced on the untaxed basis. Until the authorities abandoned their efforts to avoid pricing prescriptions and instead gave their attention to getting the work done expeditiously, little improvement might be expected, he said. The number of staff at present employed was little, if any, greater than would have been required in 1947 to price one month's prescriptions in one month. The number of bureaux was wholly inadequate and nothing short of a drastic increase in their number would meet the situation. Referring to the Society's convalescent home at Birdsgrove House, Mr. Wilson (in reply to an interjection) explained that the charge, ridiculously low though it might seem, had been fixed deliberately so that no member of the Society need ask for financial assistance to enjoy the benefits of the home.

## IRISH NEWS

### Pharmaceutical Pilgrimage to Lourdes.

A pilgrimage of pharmacists to Lourdes is to leave Dublin on August 1 and London on August 2, returning to London on August 18, and Dublin on August 19, spending fourteen days at Lourdes. The cost is approximately £34 from Dublin, and £29 from London. Applications for a few remaining vacancies should be made to the pilgrimage secretaries, 69 Palmerston Road, Dublin.

### N.I. Health Service Criticised.—The

Northern Ireland House of Commons unanimously passed a resolution on June 14 expressing concern that the operation of the State health service was leading in some respects to a lowering of standards and integrity in some branches of the professions and asking assurance that steps taken in the development of the services would not tend to lower standards. In accepting the motion, the Minister of Health (Mr. Grant) emphasised that it must not mean that the House did not approve of the health services scheme, free medical treatment and free drugs.

**Excursion to Ballygally.**—The annual excursion of the Chemists' and Druggists' Society of Ireland, held recently, was to Ballygally, co. Antrim, where tea was served at Ballygally Castle. The president (Mr. Fred Storey, C.B.E.) welcomed the members and guests, on whose behalf Messrs. H. F. Moore (treasurer, Pharmaceutical Society of Northern Ireland) C. Abernethy and J. Irwin, Miss A. E. Strachan (secretary, Ulster Chemists' Association) and Mr. Herbert Johnston, Larne, responded. A vote of thanks to Mr. H. McQuitty (secretary) for organising the outing was passed on the motion of Mr. H. Johnston and Mr. F. Boyle.

### Football Club's Annual Meeting.—

In his report to the annual meeting of the Irish Chemists' Rugby Football Club held recently in Dublin, Mr. C. A. Roche (secretary), said the year just closed had been the most successful in the club's history. Of twenty-one matches played fifteen had been won and one drawn. Country outings, one to Enniscorthy and one to Tullamore, had both been successful. The following officers were elected or re-elected: *President*, the president of the Pharmaceutical Society of Ireland; *Vice-presidents*, the outgoing vice-presidents with Messrs. J. J. Tierney, N. O'Malley and J. G. Cole-

man as additional vice-presidents; *Captain*, Mr. J. J. Dawson; *Vice-captain*, Mr. C. A. Roche; *Treasurer*, Mr. G. O'Connor; *Secretary*, Mr. M. Kissane; *Committee*, Messrs. C. Foley, A. Henecy, I. Gannon, J. J. Dawson, C. A. Roche, C. O'Connor, and M. Kissane. Former members are invited to rejoin as "pavilion" members at a subscription of 7s. 6d. each. Applications should be sent to the secretary (Mr. Kissane), at 10 Fitzroy Avenue, Drumcondra, Dublin. The meeting concluded with a vote of appreciation to the late Mr. F. X. Meagher whose interest in the Club from its formation had been much appreciated.

## OVERSEAS NEWS

**Streptomycin Royalties.**—Dr. S. Waksman, the discoverer of streptomycin, has presented the money to Rutgers University, New Brunswick, which patent right on the drug bring him. The university will use the money to establish an Institute of Microbiology with Dr. Waksman as its first director.

**British Goods in Portugal.**—Portuguese importers of goods from Great Britain are complaining that lately they have been finding it difficult to obtain licences for imports. Great Britain appears to be one of the countries most affected by a recent 20 per cent. increase in import duties. For imports of perfumery, hair lotions, tooth pastes, face powder, etc., Britain held first place in 1948, with 4,119 kilos (420,995 escudos), out of a total of 9,765 kilos (1,354,815 escudos).

**Indian Druggists' Conference.**—The fifth annual general session of the All-India Chemists' and Druggists' Federation was held recently in Bombay, with Mr. P. U. Upadhyaya (president) in the chair. Resolutions passed urged (*inter alia*) that the Central Government should (1) adopt Excise rates on spiritous medicinal preparations that would be uniform throughout the country; (2) abolish the granting of monopoly or patent rights on pharmacopoeial preparations; (3) grant the Federation representation on the Import Advisory Council; (4) secure uniform administration of the Drug Standard Control; (5) prepare a list of drugs and medicines the indiscriminate use of which was considered harmful; and (6) prohibit doctors from operating dispensaries in areas where chemists' establishments already existed.

## TOPICAL REFLECTIONS

### S. Food and Drug Regulations

A reminder of the stringent provisions of the United States Food, Drug and Cosmetic Act, 1938, is useful. You summarized the Act and the first effects of its administration in the *C. & D.*, 1938.II.199 and 1939.I.581. One result of the recent war may well be that British manufacturers have not had a long experience of exporting are somewhat vague as to the requirements of this piece of legislation. From an article in "Industrial and Engineering Chemistry" published in 1939 it appears that between June 25, 1938, and March 27, 1939, more than 400 applications were filed in order to comply with the condition that new drugs can only be introduced after the United States Secretary of Agriculture has certified that the drugs or products of them are safe in use. Further, it was then estimated that 97 per cent. of the labels used in "the drug industry" had been revised in consequence of new official stipulations. Colours for drugs, foods and cosmetics have to be certified as safe and suitable: in 1939, colours tentatively accepted numbered 132, a number that has, no doubt, since been added to. The definition of "misbranding" includes failure to state as well as misstatement. Your abstract on p. 804 gives further details of this comprehensive act, the scope of which extends even to containers for drugs and other products. In addition to its importance for exporters, the subject has an interest for retailers in this country; no salesman in pharmacy could be content to hand out packed goods without a clear understanding of what is being sold.

### Collection of Waste Paper

All is not well with the arrangements for collecting waste paper. At an early stage of the late war (*C. & D.*, 1940.I.418) you stressed the need for handling waste printed matter, including showcards, to local authorities for processing. As journalists know only too well, the shortage of paper in this country is still acute. From a report in a provincial daily newspaper which has been sent me it appears that official zeal in the important salvage drive" has lapsed into apathy. The report, published on June 16, states that at a recent meeting of a rural district council in Suffolk it was decided to dis-

continue the collection of waste paper because, the chairman of the Public Health Committee said, local warehouses were "bulging" with it. The senior partner of a firm collecting such paper has amplified this statement. The situation, he declared, is in a hopeless muddle; mills cannot absorb the paper. Yet appeals to the public to collect it continue. It is even suggested in high quarters that it may be desirable to export some of this waste material. Moreover, farmers are unable to dispose at reasonable prices of straw for manufacturing newsprint. A later Press report gives similar information from a Scottish source. How this trouble has arisen I do not know. The remedy? That must be sought in a direction whence remedies are supposed to come.

### Definitions

Students are still being advised, I presume, to remember that a satisfactory definition includes the thing defined and excludes everything else. When they emerge from the examination hall as pharmaceutical chemists or as graduates, they will sooner or later discover that in daily life not every definition has this desirable quality. An instance occurs in the article on pp. 806-07 headed "Operation of Goods Vehicles." An animal is there defined as "any horse, cattle, ass, mule, sheep, pig, goat or dog." The definition is provided in connection with road accidents causing damage or injury. It thus seems that if a cat, however valuable as a prizewinner it may be, is killed by a vehicle, the provisions of the Road and Rail Traffic Act, 1933, relating to vehicular mishaps do not apply. Other creatures might be named, the loss of which in a collision on a public highway would be a grief to their owners; yet they would not be regarded as animals in law. Legal definitions sometimes appear strange to lay minds. In a report of a recent court case I read: "... a firework was an article that produced a pyrotechnic effect created by means of fire." A literal translation of the adjective "pyrotechnic" is "pertaining to the art of fire." The definition cited thus involves, unless I have misread the phrase, some tautology. For examples of concerted efforts to define words with precision the shorter dialogues of Plato may be recommended.

**Xrayser**

## BIRTHS

**BUTLER.**—At Edinburgh, on June 11, Louise (née Glover), the wife of James Charles Butler, M.P.S., Redcliffe, Balerno, Midlothians, of a daughter.

**RICHARDSON.**—On June 6, Nan, the wife of Francis Haire Richardson, M.P.S.N.I., Randalstown, co. Antrim, of a daughter.

## MARRIAGES

**KINGDOM—JONES.**—At Leeds, recently, Mr. S. J. Kingdom, Exeter, to Bronwen Mary Jones, M.P.S., Flat 3, 24 Shire Oak Road, Headingley, Leeds, 6.

**Silver Wedding.**—**ROBERTSON-ROBERTSON.**—At Kirkintilloch, Glasgow, on June 17, 1924, David Barr Robertson, M.P.S., to Cecilia Robertson. Present address: 38 Kirksyde Avenue, Kirkintilloch.

## DEATHS

**COLE.**—On March 2, Mr. Wallace Bramwell Cole, M.P.S., The Warren, Sible Hedingham, Halstead, Essex. Mr. Cole qualified in 1920.

**DONALDSON.**—At Larkfield Hospital, Greenock, on May 29, Mr. Harry Donaldson, M.P.S., 116 Albert Road, Gourrock, Renfrews. Mr. Donaldson, who qualified in 1910, was the representative in Scotland for British Alkaloids, Ltd.

**FRANKLIN.**—On June 6, Mr. Peter Gerald Johnston Franklin, M.P.S., 23 Sandown Road, Lake, Sandown, Isle of Wight, aged thirty-six.

**GRIFFITHS.**—On June 7, Mr. James Alfred Griffiths, M.P.S., 4 Beauchamp Hill, Leamington Spa, formerly of Worcester. Mr. Griffiths qualified in 1920.

**KETTLEWELL.**—On June 9, Mr. William Lancelot Kettlewell, M.P.S., 69 Fulford Road, York.

**LEMPERT.**—On May 29, Mr. Harry Lempert, M.P.S., 64 Brooklands Road, Prestwich, Manchester, aged thirty-seven.

**MACLENNAN.**—At 39 Pentland View, Edinburgh, on June 16, 1949, Mr. Roderrick MacLennan, M.P.S. Mr. MacLennan was in business at 84 Comiston Road, Edinburgh, for over forty years.

**MUSTON.**—Recently, Mr. Samuel Henry Muston, M.P.S., Two Gables, Caltan Magna, Rotherham, Yorks. Mr. Muston qualified in 1904.

**PORTER.**—Recently, Mr. Leonard George Griffiths Porter, M.P.S., 92 Woodford Avenue, Marsh Mills, Plympton, Devon. Mr. Porter, who qualified in 1929, was formerly the manager for Boots, Ltd., Plymouth, and opened a pharmacy on his own account at St. Peter's Road, Crowhill, Plymouth, only a year ago. He survived by his widow and twin daughters.

**STOCKS.**—On May 31, Mr. George Arthur Stocks, M.P.S., 19 Bradford Road, Brighouse, Yorks, aged sixty.

**TURTON.**—On June 19, following a gunshot wound, Mr. Thomas Herbert Turton, M.P.S., 118 Bewsey Road, Warrington, Lancs, aged forty-three.

## WILLS

**MR. S. F. BROCKINGTON, M.P.S.,** The Pharmac Church Street, South Brent, Devon, left £3,200 (£2,695 net).

**MR. C. J. KNOWLES, M.P.S.,** 15 St. Clements Buildings, Lever Street, London, E.C.1, left £640 (£610 net).

**MR. H. WRIGHT, 14 Bankart Avenue, Oadby Leics,** formerly of A. De St. Dalmas & Co., Ltd. Leicester, left £3,848 (£3,788 net).

**MR. O. J. DAVIS, 1 St. Clements Road, Wigton,** governing director of Winstanley & Fairhurst Ltd., Wigton, left £18,301 (£18,132 net).

**MR. W. WILKINSON, M.P.S., 51 Longley Lane,** Northenden, Manchester, and 80 Palatine Road, Manchester, left £6,032 (£5,603 net).

**MR. J. ROBERTSON, M.P.S., 17 Hillhouse Road,** Blackhall, Edinburgh, formerly of Spey Bay, left £3,717.

**MR. H. SAGAR, M.P.S., 50 Church Street, Gainsborough, Lincs,** formerly of Sheffield, left £3,850 (£3,617 net).

**MR. J. EVANS, M.P.S., 7 St. Barnabas Road,** Cambridge, and 92A Mill Road, Cambridge, left £24,163 (£24,010 net).

**MR. L. G. K. HAYNS, M.P.S., 268 Angles Road,** Burton-on-Trent, Staffs, left £2,042 (£96 net).

**MR. W. SOWDEN, M.P.S., 22 Iddesleigh Street,** Laisterdyke, Bradford, and 10 Hawthorne Drive, Rodley, Leeds, left £20,354 (£20,155 net).

**MRS. I. G. YATES, M.P.S., 196 High Street,** Lewes, Sussex, the wife of Mr. Alfred E. Yates M.P.S., left £992 (£945 net).

**MR. E. PREBBLE, M.P.S., 30 Deane Road,** Liverpool, left £5,109 (£5,052 net). He left all his shares in Prebbles, Ltd., and £250 to his son, Mr. Harry E. Prebble, M.P.S.

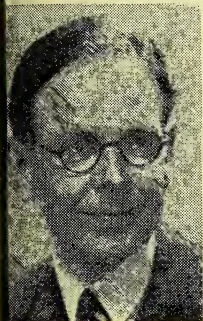
**MR. R. H. PARKINSON, M.P.S., 66 Higher Bank Road, Fulwood, nr. Preston,** formerly for many years in business in Preston, Lancs, left £6,100 (£6,069 net).

## PERSONALITIES

LORD BOYD ORR was recently elected president of the Association of Scientific Workers.

MR. OWEN PARRY, M.P.S., High Street, Portmadoc, Carnarvon, has been installed president of Portmadoc Rotary Club.

MR. A. ALDINGTON, M.P.S., the new president of the North London Pharmaceutical Association, and chairman, North Metropolitan Branch of the Pharmaceutical Society, is secretary of the local Branch of the National Pharmaceutical Union, and a member of the National Council of the Photographic Dealers' Association. In business on his own account in Seven Sisters



oad, South Tottenham, London, N.15, since 1935, he is also a director of a number of pharmacies in the London area. After qualifying in 1924 from the Manchester College of Pharmacy Mr. Aldington rejoined Squire & Co. (Birmingham), Ltd., at whose Ashton-on-Ribble branch he had been apprenticed, and was later transferred to London, serving as a manager until 1932. In that year he took over business in Tufnell Park, London, moving in 1935 to his present premises. A keen photographer, Mr. Aldington is an Associate of the Royal Photographic Society, and this year's president of the Tottenham Camera Club. He has been elected founder-president of the newly formed Rotary Club of Harringay.

MR. G. D. M. LAVIN has succeeded Mr. Wilkinson on the Potters Bar, Friern Barnet, Southgate and Wood Green Area Health Committee.

MR. JOHN DORIS, M.P.S.N.I., was returned to the Downpatrick urban district council in recent local government elections in Northern Ireland.

MR. A. R. CROSS, M.P.S. (chairman, Middlesex Pharmaceutical Committee), has been appointed to the Middlesex County Health Committee as a representative of the Enfield and Edmonton Area Health Committee.

DR. C. H. BEST (co-discoverer of insulin and now director of the Banting and Best Department of Medical Research, University of Toronto, Canada), has received the honorary degree of doctor of laws of Dalhousie University, Halifax, Nova Scotia.

PRESENTATIONS were made by S. Maw, Son & Sons, Ltd., at a ceremony in London recently (see p. 856) to Messrs. H. W. Jacob, C. F. Mote, and T. Reid, representatives of the company, who are retiring. They have served with the company for fifty-four, forty-eight and twenty-five years respectively.

MR. H. S. FENTON, M.P.S., the newly appointed chairman of the Wimbledon Pharmacists' Association, is a founder member of the organisation. Mr. Fenton qualified in 1920 from the College of the Pharmaceutical Society, and after experience with Mr. Frank Browne, Hampstead, London, and in the Plough Court, London, branch of Allen & Hanburys, Ltd., he opened his present pharmacy at 14 Worple Road, Wimbledon, London, S.W.19.

MR. G. C. OSBORN, M.P.S., who has been re-elected chairman of the Slough Branch of the Pharmaceutical Society (founded in 1945 under the chairmanship of Mr. H. P. Elliot, M.P.S.), has been manager of the Windsor Branch of Savory & Moore, Ltd., since 1939. Mr. Osborn qualified in 1935 after an apprenticeship with Mr. R. P. Bristow, M.P.S., High Wycombe, his native town. He is a member of the Berkshire Pharmaceutical Committee.

MR. EDWIN G. RICHARDSON, M.P.S., the newly appointed president of the Durham Branch of the Pharmaceutical Society, is the secretary and a director (with two qualified brothers) of Richardson Bros. (Chemists), Ltd.—a company with three shops in co. Durham. Mr. Richardson commenced his business career in the Midland Bank, Ltd. After serving in the 1914-18 war he entered pharmacy and qualified in 1922. He then went into partnership with his elder brother (now managing director of the company). He became an Associate of the Royal College of Organists in 1928, and has taken an active interest in local musical affairs, including the direction of operatic societies and various other musical functions. He was master of Rowlandson Masonic Lodge 3360, 1946-47.

## TRADE NOTES

**Sole Agency.**—Ulster Pharmaceuticals, Ltd., have been appointed sole agents in Northern Ireland for the products of Thornton & Ross, Ltd., Linthwaite, Huddersfield.

**New Pan Film.**—Inquiries concerning Grafton panchromatic film, a film with a new base and new emulsion, available in 20 and 127 sizes, should be sent to Jones & Bailey, Ltd., 66 Brewery Road, London, W.7.

**Available under N.H.S.**—Menley & James, Ltd., 123 Coldharbour Lane, Camberwell, London, S.E.5, announce that under a recent ruling by the Ministry of Health, Benzedrine inhaler may be freely prescribed as a drug under the National Health Service.

**Price List.**—A price list of the products of Optrex, Ltd., and associated companies has been prepared by the sales distributors, Keldon, Ltd., Perivale, Middlesex, and is being issued to chemists throughout the British Isles by the companies' representatives.

**Price Guarantee.**—Richard Hudnut, Ltd., Power Road, London, W.4, have issued to all stockists of Richard Hudnut home permanent-wave sets an assurance that no change in price is at present contemplated. If any reduction is made at a later date the company will see that retailers suffer no loss on stocks held.

**Transparent-bag Packs.**—F. W. Crookes & Son, Ltd., Morpeth Street, Rotherham, Yorks, state that they have recently installed latest type of machinery for the making of transparent bags. The company's capacity is now three-quarters of a million bags per week, either plain or printed, in various sizes.

**Calamine Cream in Tube.**—The Crown Capsule Co., Ltd., Campbell Street, Hellsburgh, Scotland, have introduced Alan's calamine skin cream packed in a cream and red printed collapsible tube and carton, in 3-doz. display outers. All inquiries should be sent to the company's London office at 84 Upper Richmond Road, London, S.W.15.

**Products Guide.**—Ciba Laboratories, Ltd., Horsham, Sussex, have issued a sixty-page "Pharmacists' Guide," a concise book of reference to the company's products. Information is given as to com-

position, indications and dosage for each preparation, and a therapeutic index is included. Copies are available on request to all pharmacists and pharmacy students.

**Prices Reduced.**—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, announce reduced prices for Sulphatriad compound sulphonamide tablets and sulphadiazine, M. & B., operative from July 4. Chemists are being given the benefit of the reduction on all orders received at Dagenham on June 20 and subsequently.

**Hair Beauty Contest.**—£2,000 in cash prizes and gifts are offered by Ashe Laboratories, Ltd., 120 Victoria Street, Westminster, London, S.W.1, in an all-Britain hair-beauty contest for girls using Band-box preparations. The contest is to be featured at ballrooms in the main cities of England, Scotland, Wales and Northern Ireland, and the finals are being staged at the Locarno ballroom, Streatham, London, S.W.2, on August 12.

**New Curarising Agent.**—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce that they have ample stocks of Sincurine brand decamethonium iodide curarising agent (C10). The company's product is issued in ampoules containing 5 mgm. in 2.5 c.c. (boxes of six and 25). The antidote, Wellcome brand injection of C5 (pentamethonium bromide), is also available in ampoules containing 40 mgm. in 2 c.c. (boxes of six).

**Mercantile Year Book.**—Now in its fifth-ninth year of publication, the Mercantile Year Book and Directory of Exporters issued by Lindley-Jones and Brother, Ltd., 52 Bishopsgate, London, E.C.2, is a cloth-bound volume of 1212 pages. It includes lists of export merchants in London and environs, and of provincial centres, lists of overseas buyers, classified list of goods exported, and a "where-to-buy" section. Copies are available from the publishers at 26s. each, post-free.

**Penicillin Intramammary Injection.**—Evans Medical Supplies, Ltd., are offering penicillin intramammary injection, containing 100,000 units of penicillin calcium salt in a non-irritant oil wax base, in collapsible tubes with nozzle. The tubes are packed in boxes of sixteen and 144. Special prices for quantities will be quoted on request to the Home Veterinary Department of the company at Speke, Liver-

pool 19, or 50 Bartholomew Close, London, E.C.1. Literature is also available.

**The Year's Photography.**—Orders are being accepted by the Publications Manager, Royal Photographic Society, for "The Year's Photography," the only printed record of the annual exhibition of the Society. The book is both inexpensive and the most indispensable of the photographic annuals for the photographer interested in exhibitions. To photographic dealers the books, in paper or cloth covers, are supplied at the usual trade discount. Orders, with cash, should be received well before publication date (October 1).

**New Items for the Home Market.**—Goya, Ltd., 161 New Bond Street, London, W.1, announce that adequate supplies of Aqua Manda, now packed in 2-oz. and 4-oz. bottles, have become available on the home market. A summer advertising campaign is being carried out in the national women's journals. Messrs. Goya are also introducing to the home market a range of toilet soaps previously available only for export. The soaps are stated to lather well in hard water and to be economical and lasting; they are in four fragrances: Gardenia, rose geranium, blue moss and yellow gorse. A showcard is in course of preparation.

**Works Closings.**—C. J. HEWLETT & SON, LTD., 35 Charlotte Road, London, E.C.2, will be closed for stocktaking from Wednesday June 29 to Friday July 1, inclusive. An emergency service to meet prescription needs will be in operation and the company's medical specialities may be obtained from William Martindale, Bruton Street, or John Bell & Croyden, 50 Wigmore Street, London, W.1. Factory and offices will reopen on July 4 for normal business.—The works of THORNTON & CROSS, LTD., Linthwaite, Huddersfield, will be closed for annual holidays from Friday afternoon, August 5 to Monday morning, August 15.

**Brush Trade Directory.**—The 1940 edition of the Directory of the Brush and Allied Trades (the second edition of the work and the only one of its kind in the world) is now available from the publishers, Wheatland Journals, Ltd., 336 Kilburn High Road, London, N.W.6, at a price of 12s. 6d. to subscribers to the monthly journal, "Brushes," 17s. 6d. to non-subscribers. Buyers of shaving, tooth and dental, and toilet brushes this year and the classified section of special interest.

**New Packs.**—J. C. & J. FIELD, LTD., 123 Broadway, Wimbledon, London, S.W.19, are now issuing their Field-Day brushless shave and Lathex shave cream (both nationally advertised lines) in glass jars of new design. The jars have horizontal ribs both to present a pleasing ap-



pearance and to facilitate holding the jar when the fingers are wet. The Field-Day pack has an orange cap with an orange, black and white label; the Lathex pack has a light-blue cap with a label in light and dark-blues and white.—H. R. NAPP, LTD., 3 Clements Inn, London, W.C.2, have introduced an additional twelve-tablet pack of Dyspastol tablets in "catch-cover" outer. Each tablet is individually presented in a transparent tear-off strip.—THOMPSON & CAPPER WHOLESALE, LTD., Speke Hall Road, Liverpool, 19, are issuing Mothak powder in a new and attractive sprinkler-topped container and at a new price, details of which may be obtained from the company.

## Proprietary Articles Trade Association

**Additional Sizes in Protected List (Part 1).**—Allied Laboratories, Ltd., Somnolil 35's, 33s. doz., tax 33½ per cent., inclusive retail price 5s.

Curacho Co., Veterinary Curacho embrocation, ½-gall. 17s. 7d. each, tax 33½ per cent., i.r.p. 29s. 3d.; 1 gall., 35s. 2d. each, tax 33½ per cent., i.r.p. 58s. 6d.

Fellows Medical Manufacturing Co., Ltd. (distributors, Fassett & Johnson, Ltd.), Compound syrup of hypophosphites, Fellows, 6-oz., 36s. doz., tax 33½ per cent., i.r.p. 5s.

**Alterations to List (Part 1).**—Evans Medical Supplies, Ltd., E.D.P. (Evans dermal powder), 15s. doz., tax 33½ per cent., i.r.p. 2s. 3d.

Solport Bros., Ltd., Portia folding goggles, D450, 11s. doz., 1s. 4d.; D450A (adults), 12s. doz., 1s. 5d.; D450A (child's), 9s. doz., 1s. 1½d. (All exempt from tax).

## NEW COMPANIES

**MURY (ENGLAND), LTD. (P.C.).**—Capital £25,000. To carry on the business of manufacturers, distillers, refiners of perfumes, essences, powders, dyes, soaps, etc. First directors are not named. Secretary: A. W. Lowe, 31 Dale Street, Liverpool, 2.

**HUTTONS OF SCARBOROUGH, LTD. (P.C.).**—Capital £100. To carry on the business of multiple store proprietors, dealers in drugs and chemicals, etc. First directors are to be appointed. R.O.: Meeting house Lane, Bank Street, Sheffield.

**A. SWINTON, LTD. (P.C.).**—Capital £1,000. To acquire the business of a chemist and druggist, now carried on by Alice Swinton at 7 Front Street, Monkseaton, Northumberland. Arthur C. Brown, M.P.S., director.

**D. C. DAVIES & Co., LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists, etc. Reginald F. Naunton, David C. Davies, M.P.S., Cyril A. Chadwick and James A. Butcher, directors. R.O.: High Street, Lakenheath, Suffolk.

**F. PICKARD, LTD. (P.C.).**—Capital £6,000. To acquire the business of a pharmaceutical chemist, etc., carried on by Nancy Pickard, at 49 Queen Street, Morley. Nancy Pickard and Robert Cooper, M.P.S., directors.

**JOSEPH DODSWORTH, LTD. (P.C.).**—Capital £4,000. To acquire the business of a chemist and optician carried on by John Nuttall at Rochdale. Henry Bell and Joseph Dodsworth, directors. R.O.: 251 Rooley Moor Road, Rochdale.

**K.E. TRADING Co., LTD. (P.C.).**—Capital £100. To carry on the business of manufacturers, exporters and importers of drugs and medicines, disinfectants, etc. Vivian H. Frank, director. R.O.: 6 Drapers' Gardens, E.C.2.

**J. W. JONES (CHEMISTS), LTD. (P.C.).**—Capital £2,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. John W. Jones, Frederick W. King and Catherine D. King, directors. R.O.: 42 Astwood Road, Worcester.

**DISPENSING & SURGICAL Co. (BELFAST), LTD. (P.C.).**—Registered in Belfast. Capital £500. To carry on the business of chemists and druggists at 18 Clonard Street, Belfast. First directors are not named. Sean Boylan, 4 Harrogate Street, Belfast, subscriber.

**PERSOMNIA, LTD. (P.C.).**—Capital £1,000. To carry on the business of manufacturers, exporters and importers of and dealers in pharmaceutical, medicinal, chemical, industrial and other preparations and articles, etc. Stephen P. Rety, LL.D., and Stanley W. Goody, directors. R.O.: 2 The Green, Richmond, Surrey.

**MODERN PACKAGES (FINANCE), LTD. (P.C.).**—Capital £100. To finance the container and packing industry in all its branches and to carry on business as tin box printers, manufacturers and suppliers of containers, etc. Alexander F. Jackson, and William H. Snow, directors. R.O.: 52 Leadenhall Street, London, E.C.3.

**C. H. RYDER, LTD. (P.C.).**—Capital £2,000. To acquire the business of a chemist and druggist as

carried on by the late John Dunbar, at 110 Markhouse Road, London, E.17. Cecil H. Ryder, Gladys M. Ryder, William O. Mitchell, M.P.S., and Alfred J. Hooper, directors. R.O.: 110 Markhouse Road, London, E.17.

## Company News

**TIMOTHY WHITES & TAYLORS, LTD.**—Profit for 1948 amounts to £331,867, after providing £501,75 for taxation, compared with £377,213 in the previous year, when the tax charge was £744,028. A final dividend of 20 per cent. on the ordinary shares maintains the distribution for the year at 32½ per cent.

**LAPORTE CHEMICALS, LTD.**—Net profit for the year to March 31 amounts to £396,467 against £259,970 in the previous year. Allocations are made to obsolescence reserve of £45,000, compared with £12,000, and to general reserve of £30,000, against £10,000. A final dividend on ordinary stock is recommended of 12½ per cent., less tax, maintaining the total for the year at 17½ per cent.

**BOOTS PURE DRUG Co., LTD.**—Net profits of the Boots group for the year ended March 31 amount to £1,070,434 (against £948,401) after providing £1,227,500 (£1,084,000) for taxation. Net profit of Boots Pure Drug Co., Ltd., for the year amounts to £627,662 (£679,428) after providing £612,500 (£562,650) for taxation. These profits are before transferring to profit and loss account £100,000 from reserve for fall in value of stock-in-trade, being part of the loss incurred through reductions in purchase tax in the Budget of 1948. The directors recommend payment of a final dividend on the ordinary shares of 20 per cent. (the same), less tax, maintaining the total dividend for the year at 40 per cent.

**Voluntary Liquidation.**—**BARNES, GOWLAND & Co., LTD.**, wholesalers of chemists' sundries, 80B Dean Street, London, W.1. A statement of affairs presented recently disclosed liabilities amounting to £2,015. After allowing £462 for preferential claims there were net assets of £849, or a deficiency of £1,166. The company was incorporated in November, 1945, with a nominal capital of £10,000, of which £500 had been issued. Mr. C. E. M. Emmerston, C.A., of Josolyne, Miles, Page & Co., 28 King Street, Cheapside, London, E.C., has been appointed liquidator.

## BUSINESS CHANGES

**MR. C. O. GREENE, L.P.S.I.**, has acquired the pharmacy business at the Medical Hall, O'Curry Street, Kilkee, co. Clare.

**MILLERS, LTD.**, merchants, Colombo, Ceylon, have transferred their London buying offices to 10 Ashley Place, Westminster, London, S.W.1 (Telephone: Victoria 1858/59).

**MR. HARRY GIBBS** (formerly manager of the pharmaceutical section of the Cork Chemical & Drug Co., Ltd., Cork) has joined the sales staff of M. G. Baynes & Co., Ltd., wholesale chemists, 23 East Essex Street, Dublin.

## INTERIM REPORT ON TENURE AND RENTS

THE Leasehold Committee appointed in December 1948 has issued its Interim Report on Tenure and Rents of Business Premises (H.M. Stationery Office, price 1s. 6d. (post)). The report summarises the present legal position and reviews overseas methods of dealing with the problem before making the following general recommendations:—

1. The immediate need is to secure the sitting tenants of business premises against the risk of unreasonable disturbance by their landlords until increased availability of accommodation restores in some degree the equality of bargaining power.

2. The only practical solution is to give the sitting tenant of business premises some security of tenure beyond that afforded by the terms of his original tenancy. This involves giving some Tribunal power to fix the rent, conditions and term of the extended tenancy.

3. The method used in the Rent Restrictions Acts is inappropriate to business premises.

4. Attention should be concentrated on the position of sitting tenants, who should be treated as having a right to renewal. Control of rents of business premises generally is not recommended, nor is it proposed to accord rights of renewal to sub-tenants.

5. The measure suggested, though not appropriate as long-term legislation, is confined to the period which has dictated its need.

The Committee recommends, however, that the Tribunal should be debarred from granting renewal if the landlord proves, either that the tenant is an undesirable tenant; or that the premises are reasonably required for a scheme of demolition or re-building, or for a scheme of substantial re-modelling or substantial physical re-development. The scheme would extend to all premises used for business, trade, manufacturing, or professional purposes, whether profitmaking or non-profitmaking. All occupying tenants of such premises would be eligible for the benefits, irrespective of the length of their tenancies or the length of their actual occupation of the premises.

Unless otherwise agreed, the terms of the renewal would be fixed by the Tribunal, the rent being fixed at such a sum as the Tribunal thinks reasonable for re-

newal to a sitting tenant, having regard to the general level of rental values for comparable premises in the locality, and to the practice of a good landlord in according preferential terms to a sitting tenant, and taking into account the other terms of the proposed lease, but not any increase in the rental value of the premises due either to goodwill created by the tenant or his predecessor, or to any improvements carried out by the tenant or his predecessors otherwise than in meeting obligations owed to the landlord or his predecessors in title. The Tribunal would not be allowed to require the payment of a premium except in special circumstances.

A weekly, monthly, or quarterly tenant, who is not prepared to take a lease, should be given a non-assignable tenancy for three years, during which period the rent should not be reviewed. The notice of termination required from such a tenant should be of reasonable duration (e.g., three months for a monthly tenant). Such an interest should be renewable at the discretion of the Tribunal at the end of three years.

## SCOTTISH EXECUTIVE

AT the annual meeting of the Scottish Department of the Pharmaceutical Society held in Edinburgh on June 15, the result of the election to fill eighteen vacancies on the Scottish Executive was presented. Of eighty members who were nominated, forty-one had accepted nomination. A total of 842 votes was recorded; the number of voting papers issued was 2,960. The successful candidates were:—

BENNETT, F. W. M., Arbroath	... 521
DRUMMOND, C. G., Edinburgh	... 440
ANDERSON, John, Dundee	... 420
MACFARLANE, C. W., Dundee	... 403
CULBERT, W. S., Airdrie	... 338
GILMOUR, A. B., Glasgow	... 326
COUTTS, C., Aberdeen	... 318
MCGADAM, R., Glasgow	... 312
WHITELAW, R. S., Anstruther	... 283
MICHIE, J. C., Nairn	... 269
SIMPSON, J., Banchory	... 258
CONNAN, J. A., Inverness	... 256
SKINNER, J. J., Stirling	... 243
GRAHAM, R. S., Elgin	... 235
HUGHAN, S., Glasgow	... 233
MURRAY, A., Glasgow	... 232
CULBERT, H. S., Dumfries	... 225
ELDER, W. T., Aberdeen	... 218

## RESALE PRICE MAINTENANCE REPORT

### Statement by Secretary of the Proprietary Articles Trade Association

SPEAKING, as secretary of the P.A.T.A., to meetings of pharmaceutical associations I have in recent months expressed the view that the future operation of the price-maintenance system in pharmacy and the drug trade might be dependent on two factors: (1) the outcome of the deliberations of the Resale Price Maintenance Committee, then sitting; and (2) the activities of the Monopolies Commission. In connection with the Resale Price Maintenance Committee's Inquiry, I mentioned that the P.A.T.A. had submitted evidence designed to show that the continuance of its system is essential to the well-being of pharmacy, and that if the system went the pharmacist might be unable to perform satisfactorily and without financial anxiety the professional services he renders to the public.

#### Threat to Pharmacy's Interests

The Committee's Report, with its conclusions and recommendations, has been issued and has received wide publicity. These recommendations, and the statement outlining the Government's policy in regard to them, made by the President of the Board of Trade on the day the Report was published, constitute, in my opinion, as serious a threat to the trading interests of pharmacy as anything that has happened in the past fifty years.

No useful purpose would be served in devoting space to critical examination of the premises, as set out in the body of the Report, on which the Committee bases its recommendations, although those who are not uninformed as to the detailed evidence submitted by a number of witnesses might have much to say on that subject. It is, however, important to recall that nearly twenty years ago (when price-cutting was widespread and acute) the question of resale price maintenance was examined by the Restraint of Trade Committee, under the chairmanship of the present Lord Greene—at that time regarded as the most eminent member of the Chancery Bar. The Greene Committee found that no sufficient case had been made out for interfering with the right of a manufacturer to sell his goods upon conditions that permit him to name the terms on which such goods shall be resold. It also felt that there was no ground "for interference with the Pro-

prietary Articles Trade Association or other such bodies if they forbid their members to supply persons who have broken their contract or who have otherwise engaged in price-cutting." This war couplet with a warning that careful watch should be kept on tendencies towards monopolistic combinations that might harm the public. The Lloyd Jacob Committee were deputed to examine the question of resale price maintenance "in the light of existing circumstances," and they claim to have reached their conclusion in that light. In this respect their findings will not be accepted by many as conclusive or convincing, for it may well be contended that the "existing circumstances" of today, as referred to in the Report, provide no sound basis for the Committee's reversal of the findings of the Greene Committee in 1931.

The Lloyd Jacob Committee obviously regard the Greene Report as out of date. They do not recommend that price maintenance by individual manufacturers shall be made entirely illegal, but they and the President of the Board of Trade make it clear that the limited measure of price maintenance—operated by manufacturers individually—that may be permitted must not include prohibition of dividend or discount systems employed by the co-operative societies and others, must not utilise "sanctions," and must recognise the right of traders who employ what are termed "low-cost methods of distribution" to sell price-maintained goods at reduced prices. If these powers, limited though they be, are to be allowed to the individual manufacturer, why in the interests of "maximum economy and efficiency" (a factor which should appeal to Mr. Wilson) should they not also be available to those manufacturers who desire to operate price maintenance collectively and, therefore, economically.

#### Effect on P.A.T.A.

In the absence of any such arrangement, which in any case would eliminate what is regarded as an essential feature of P.A.T.A. policy—namely the observance of uniform retail prices by all distributors—the effect on the P.A.T.A. system should the Committee's recommendations and Mr. Wilson's statement of Government policy regarding them be implemented, would ap-

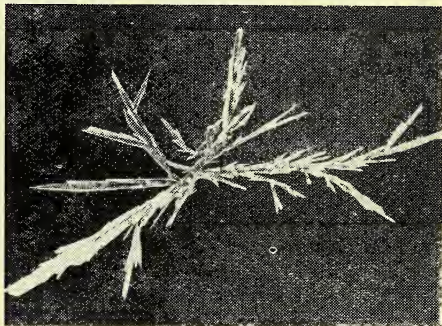
ear to be prohibition of (a) the existing procedure whereby all P.A.T.A. manufacturers and wholesalers enforce the projected prices of the products of any particular manufacturer or manufacturers by withholding supplies of all P.A.T.A. goods from a trader who is placed on the top list; (b) the compilation or use of "stop list" or of the imposition of fines or penalties for breach of resale conditions, and (c) the taking of any action against co-operative societies or other traders who allow dividend or rebate on P.A.T.A. goods, or against "self-service" shops selling such goods at less than the fixed retail prices. If this threat to the P.A.T.A. is implemented, either by legislation or (as is quite possible) by means of the Monopolies Commission, the outlook for the Association's members, and for retail chemists in particular, will be bleak indeed. It must be realised that without a system of collective enforcement there can be no assurance that the "fixed" prices which a chemist observes will not be undercut by his competitors and, judging by past experience, once the cutting starts, however small the initial reductions may be, inevitably there will follow more substantial "cuts" on a larger range of goods and by a wider circle of traders each anxious to go one better—not in the interests of the consumer but for the purpose of securing the latter's custom for other and more profitable commodities. Apart from financial considerations, this state of affairs would inevitably be a source of perpetual worry to the pharmacist, and could not have other than harmful effects on his professional efficiency. For manufacturers and wholesalers the position may prove to be equally serious. Few of the former are familiar with the conditions which led the first body of manufacturers—in their own interests and those of the distributors of their products—to join the P.A.T.A. in its early days. The present strength of the Manufacturers' Association is sufficient evidence of appreciation on the part of its members of the advantages of the system of collective price maintenance which they at present enjoy. Wholesalers may be reminded that in pre-P.A.T.A. days cutting was as keen in the wholesale as in the retail trade.

So far as pharmacy and the drug trade are concerned, the withdrawal of the beneficial system of price maintenance exercised by the P.A.T.A. for more than fifty years would most likely bring about a re-

turn to the demoralising conditions of price-cutting that led the late Sir W. S. Glyn-Jones to seek and secure the co-operation of the three sections of the trade in founding his "Anti-cutting" Association—the P.A.T.A. The Council of the P.A.T.A. is fully alive to the dangers of the position, and is confident that the Association's members who have benefited so greatly (and benefited without prejudice to the public interest) from the work of the P.A.T.A. will give their utmost support to the efforts that will be made to prevent the realisation of the threat.

## STANDARDISED LIVER

THE announcement is made by Glaxo Laboratories, Ltd., Greenford, Middlesex, that their liver extract is standardised to contain the equivalent of 12 microgm. of the anti-anæmic factor (vitamin B<sub>12</sub>). That amount is understood to be ample to produce optimum response in blood



CRYSTALS OF VITAMIN B<sub>12</sub>

regeneration over a period of fourteen days in uncomplicated cases of severe pernicious anaemia in relapse. Standardisation in terms of the precise weight of anti-anæmic factor is achieved by the cup-plate method of microbiological assay, a modification developed in the Glaxo laboratories and based on the knowledge that a specific micro-organism (*Lactobacillus lactis* of Dorner) requires the anti-anæmic factor for its growth. The growth response of the micro-organism to a specific amount of Examen can be measured and compared with the standard response produced by the pure crystalline substance. The standard of reference was made possible by the simultaneous isolation by Britain and the U.S. in 1948 of the pure vitamin B<sub>12</sub>.

## GADGETS FROM A HOSPITAL PHARMACY

A DEMONSTRATION of "gadgets" was given at a recent meeting of the London Branch of the Guild of Public Pharmacists. Several from the pharmaceutical department of University College Hospital, London, are illustrated below.

The first (fig. 1) is a Bunsen burner adapted for sealing ampoules. To a standard burner a brass angle-piece has been screwed so that the final section of the barrel is horizontal. Through a hole bored at the bend is soldered a narrow gauge metal tube that terminates in a brass nip-

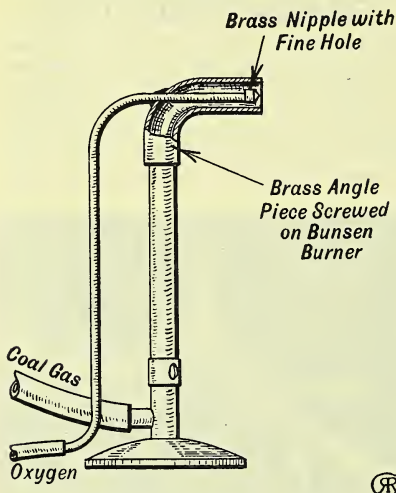


Fig. 1. Bunsen burner adapted for ampoule sealing.

ple with a fine hole. The external portion of the narrow tube is bent so that it may conveniently be connected to a supply of oxygen. The burner has a normal supply of coal gas. With the oxygen supply carefully adjusted, the burner gives a compact flame that will seal ampoules evenly, leaving no weak spots of thin glass. It is claimed to be quicker and more efficient in use than the popular type of sealer using twin batwing burners.

The second (fig. 2) is a tin container for stock tablets made to the hospital's specifications by the Metal Box Co., Ltd. It is about 6 in. high. The lid is divided into two, the front half being fixed and the rear half hinged at the back to form a tray on to which the tablets may be shaken before being counted into the final containers. On the front edge is a handle

and a slot for a label card. Such containers make the optimum use of limited shelf space and are, of course, unbreakable.

Fig. 3 shows one solution to the problem of label storage. The rack is stocked with printed gum-backed labels in the form of perforated rolls (like deck-chair tickets), made by Auto Tickets, Ltd., Birkenhead.

The ampoule cutter shown in fig. 4 consists essentially of a nichrome wire looped between two porcelain insulators. The wire is heated by a 2.5 volt current at 10 amps. produced by the step-down transformer shown. Uncut ampoules are rotated along the wire, so that a ring of glass is softened, and with gentle pressure the top is cleanly severed. An advantage claimed for the device is that it entirely eliminates the risk to the operator of cuts from glass splinters.

Fig. 5 shows a piece of apparatus for aseptic transference (used at University

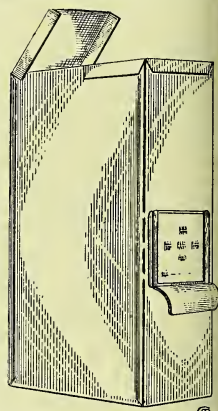


Fig. 2. Tin container for tablets.

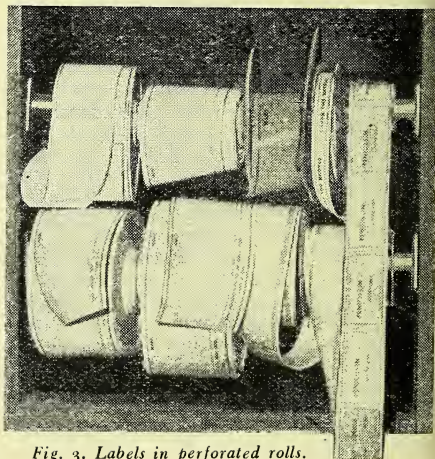


Fig. 3. Labels in perforated rolls.

College Hospital mainly for streptomycin solutions). The solution is prepared in container A. Negative pressure is applied at B with stockcock D closed, and the solution passes from A through the sinter-glass filter K into the conical flask E. The air replacing the solution in A must pass through

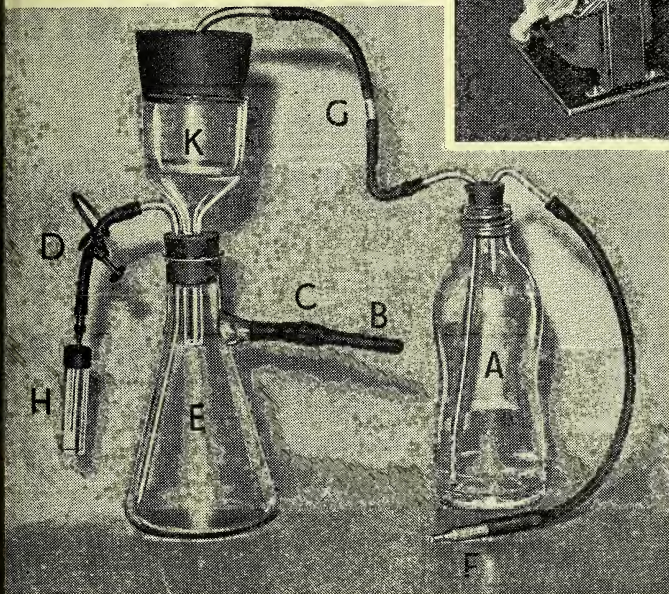
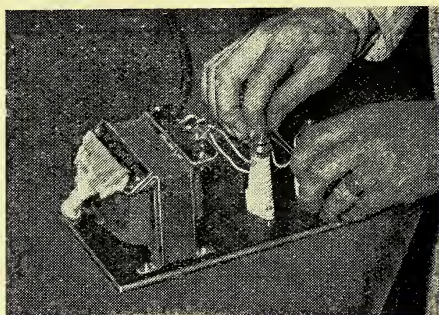


Fig. 5. Apparatus for aseptic transference. Inset: Electrical ampoule cutter.

the sinter glass air-filter at F. When E is full, stopcock D is opened and G disconnected. Positive air pressure is then applied at B (the air passing through filter at C), and the solution flows through the hypodermic needle H (which has a protective covering) into the final ampoules. The positive air pressure is not sufficient to cause the solution to pass back through the filter K.

## CHLORAMPHENICOL IN TYPHOID FEVER

TRIALS using Chloromycetin (chloramphenicol) in a recent outbreak of typhoid fever at Crowthorne, Berks, are described in a preliminary communication by Bradley Senior Medical Officer, Ministry of Health) in the "Lancet" (May 21, p. 869).

### Clinical Trials

Twenty-one patients took part in the trials, ten patients receiving the drug. Two elderly patients died soon after admission to hospital, one being in the treated group, and one in the control. Of the remainder, nine treated patients showed "obvious signs" of resolution within forty-eight hours (after 8 gm. of the drug had been administered), while seven were apyrexial by the third day, and the other two by the fourth and fifth days respectively. In the untreated cases the disease ran its usual

course. The drug had a "dramatic" effect in relieving the headache of typhoid. Murgatroyd ("British Medical Journal," May 14, p. 851), reporting on a case of typhoid fever treated with chloramphenicol (4 gm. initially followed by 0.25 gm. two-hourly, to a total of 22.75 gm.), found that positive stool cultures, and relapses with positive blood cultures might occur after treatment. A dose of 30 mgm. per kilo of body weight (i.e. three times the curative dose in the acute disease) was found by Rumball and colleague (*ibid.*, May 28, p. 943) to fail to eliminate the organism from a chronic faecal typhoid carrier. During treatment, however, the patient's serum inhibited the growth of the isolated organism. The workers recommend further trials on the use of the drug in treating carriers.

# STANDARD SYNTHETICS LIMITED

*Actual distillers of Essential Oils  
Manufacturers of Aromatics, Perfume  
Bases and Flavours.*

*We specialise in Cinnamon Bark Oil,  
Juniper Berry Oil, Winter-  
green Oil, Eucalyptol,  
French Lavender Oil, Ter-  
peneless Lemon Oil, Rose  
Perfumes, etc.*

**76 Glenthams Rd., Barnes  
London - - S.W.13**

Telephone:- Riverside 3616

**BURROUGH'S**

No licence  
now required.

**S.V.R.**

James Burrough Ltd., 1 Cale Distillery, London, S.E.11

**TRAGACANTH**

**SPECIALISTS IN B. P. POWDER  
SAMPLES AND PRICES ON REQUEST**

**FREUDENTHEIL, SMITH & CO., 16 Philpot Lane,  
LONDON, E.C.3**

**MANsion House 1924 & 6600.**

**Estd. 1826**

**WYREX RUBBER CUSHIONED  
HAIR BRUSHES**

**WIRE PINS 5/6 NYLON 7/6 incl. tax  
COLOURED WOOD AND PLASTIC HANDLES**

*Ask your Wholesaler or enquire from  
**OAKFIELD & CO. AMERSHAM, BUCKS.***



**SONGO**  
For TRAVEL SICKNESS  
on Air, Land or Sea  
VANDRE LTD. GLASGOW, CS



**STOPS THE PAIN IN A FEW MINUTES**  
**TWINKLE**  
Prepared by Fully Qualified Pharmacists and sold under  
London's Certificate of Purity For Headache, Neuralgia, Pains  
peculiar to Women, Severe Colds and Flu.  
**VANDRE LTD.,  
GLASGOW, CS**  
★ HEADACHE POWDERS

**GARLISOL** Registered Trade Mark  
Deodorised Garlic Compound  
Liquid, Tablets, Ointment, Balm

*Fair terms to the trade.*

**GARLIC DEODORISED ANTISEPTICS LTD**  
Fairlight Sussex



## THE NATIONAL ASSOCIATION OF OPTICIANS

The next Examination for the Fellowship and  
Honours Diplomas will be held at Birmingham  
on July 25, 26, 27 and 28, 1949. Entries should  
be made not later than June 27.

*Syllabus, Entrance Forms, etc. from :-*  
**Secretary N.A.O., 130 Princes Road, Liverpool, 8**

## LIVERPOOL SCHOOL OF PHARMACY

Principal: H. Humphreys Jones, F.R.I.C., F.C.S., Ph.C.

**Preparation for the Intermediate & Oral  
C. & D. Examinations.** Revision Courses for the  
Sept.-Oct. Examinations from Aug. 3 until date of  
Exam. Fee 8½ gns. Next session will commence early  
in October. **2 Blackburne Place, L'pool 8**

## INFORMATION WANTED

*The Editor would appreciate information  
about suppliers of the following items:*

"Vel-o-Sheen" face tissues  
Calcium iodate ophthalmic ointment (Blache)  
Letron tablets  
Senolin tablets  
Cambella face tissues ("Seagull product")  
Vi-Vim tablets



**100  
STANDARD  
Saccharin  
TABLETS**  
56/- per gross. Any quantity.  
Special quotation for large quantities  
**THE WALLIS LABORATORY LTD.**  
*Actual Makers*  
**68 King George's Avenue, Watford, Herts.**



# The CHEMIST AND DRUGGIST

or RETAILER—WHOLESALE—MANUFACTURER  
ESTABLISHED 1859

**Circulates throughout the Pharmaceutical,  
Chemical, Drug, Essential Oil, Perfumery,  
Cosmetic, Toilet Preparation and allied  
Trades throughout the World**

*Official organ of The Pharmaceutical  
Society of Ireland, The Pharmaceutical  
Society of Northern Ireland, The Chemists'  
and Druggists' Society of Ireland and of  
other Chemists' Societies in the Empire.*

VOL. CLI JUNE 25, 1949 No. 3618

## N.H.S. Costs, Cuts and Prospects

THE Select Committee whose function it is to "examine such of the Estimates presented to [the House of Commons] as may seem fit to the Committee," has recently been fit to examine the National Health Service estimates, and its report (see p. 348) has appeared almost simultaneously with the completion of twelve months' operation of the Service. That fact makes easy a comparison of the Committee's findings on pharmaceutical aspects of N.H.S. with the experience of pharmacists themselves, a number of whom have contributed their views in a symposium in this issue.

The Committee's examinations revealed no point on which pharmacists are deserving of criticism, though there is an unfortunately-worded reference in its Summary of Conclusions and Recommendations to the "abuse of the pharmaceutical services which is going on at the present time." The remark, when traced to the Report, is found to refer to the issue of excessive and wasteful prescriptions, a matter over which pharmacists have no control—unless, as one member of the Committee appeared to think desirable, chemist contractors are constituted a sort of expert Gestapo to draw attention to cases of excessive prescribing. To the credit of pharmacists it is "a little difficult," in the words of the Ministry's Accountant-General, "to get chemists to criticise doctors' prescriptions," and most people would agree that to bring about a change in that attitude would be undesirable.

When the Select Committee came to the matter of chemists' remuneration, the question was pointedly asked "Are there any reports of excessive earnings?" There was no direct negative, but the details that were given of the way in which chemists' remuneration is made up clearly showed that excessive earnings do not occur under the scheme. Indeed, it is hard to see how they could be possible. The evidence substantiates the opinion of Mr. G. H. M. Graham (who, by reason of the prominent part he played in the Working Party on dispensing costs, is in a possibly unique position to speak with authority on the subject) that chemists are no worse off under N.H.S., but equally are no better off. Mr. F. C. Wilson put the same thing a little differently when he said that, although the basis of payment for N.H.S. represents an improvement over conditions under N.H.I., the improvement is offset by the greatly extended "credit" nature of the remuneration at the present time. The Committee did not pursue its inquiries into chemists' remuneration to a conclusion, because "at the time of the inquiry the scales were the subject of negotiation between the Departments and representatives of the profession." The terms on which the services are to be supplied have not yet, as the Report states, been settled on a permanent basis, and that cuts both ways. From the Ministry's side the aim may be to find ways of effecting further economies, but what chemists have still to find out is the effect on counter sales. Some months may elapse before that can be finally judged. Meanwhile the series of specially written articles in this issue will help all contractors to carry out the same sort of interim stocktaking for themselves and to be ready to stand firm against any further attempt to lower their present standards (for we regard as such the cut in container allowance now accepted by a majority of contractors in the plebiscite in preference to a return of the deposit system), or even, should the facts warrant it, to claim further compensation for lost counter trade. In due course those figures will have to be examined.

The immediate question is one of the date rather than the amount of payment. Here the prospects are mixed. On the one hand there is the decision to increase the advance payment from 80 per cent. to 90 per cent. of the previous month's average. On the other, the situation must be faced that the gap between the pharmacists' demand for full pricing and the Ministry's objective in running the pricing bureaux is likely to widen rather than close. The Ministry's Accountant-General has said "We are now examining with them [i.e., the chemists] the possibility of even more short cuts . . . As long as we get the right answer and get the money out quickly, that is the thing that matters." Everyone will agree on the need for prompt payment, though many will remain sceptical whether the "right answer" will be forthcoming by any other method than full pricing. Vigilance is necessary that such developments as the "bulk" prescription for institutions do not multiply and in doing so undermine the chemists' income. It seems that the negotiators are alive to this danger.

### Jenner and the Conquest of Smallpox

A RECENT small outbreak of smallpox that caused two deaths in Britain following the arrival of a liner with a smallpox case on board, serves to underline the freedom this country has enjoyed from the disease in recent years. Most observers would agree that this immunity has been due largely to the protection given to the population by vaccination—a method elaborated at the end of the eighteenth century by Edward Jenner (see p. 853), the bicentenary of whose birth took place this year. Since 1935 the disease has not at any time been classified as endemic in this country, and no deaths occurred in England and Wales during the period 1939-43. Before Jenner's day, deaths due to smallpox are estimated to have been 3,000 per million (and about one-twelfth of all the deaths in England and Wales). In the peak year of the "Great Epidemic" of smallpox in Europe (1870-75), deaths in London, despite com-

pulsory vaccination, still totalled 1,012 per million of population. In other countries however, where vaccination was not compulsory, deaths were three or four times as numerous.

Vaccine lymph, which is now produced through the agency of animals (see p. 854) was for many years after Jenner's death produced by "arm to arm vaccination," the original strain of vaccinia being thus transmitted continuously through human beings. Negri, of Naples, began in 1842 to propagate the virus from one cow to another, and the practice spread to France in about 1866, to Brussels in 1868, and later to Berlin, Vienna, Rotterdam and other European capitals. "Arm to arm vaccination" remained in use in England until 1896, when a report of the Royal Commission on Vaccination advocated its cessation. Calves, which then came to be used, cannot transmit syphilis or leprosy, while additional safety may be obtained by using sheep (as at Lister Institute) which are immune to tuberculosis.

Though vaccine lymph has improved since Jenner's time, it remains basically similar to the product he used (and still contaminated with living bacteria). For that reason alone the work now being done at the Institute to find an uncontaminated (and stable) prophylactic material will, if successful, represent an important advance.

### Security of Tenure

No one can really quarrel with the proposals put forward by the Leasehold Committee Report on Tenure and Rents of Business Premises (see p. 835) for providing security of tenure for tenants of trade and business premises. Any new rights that may be ultimately conferred by legislation on the lines of these proposals will still leave the tenant free to pursue such remedies as he may enjoy under the Landlord and Tenant Act, 1927. That Act has, in fact, failed to achieve its object. Tenants who are entitled in certain circumstances to the grant of a new lease or to compensation for goodwill, have found in practice that the establishment of any such claim is extremely difficult. In any case,

the rights under the 1927 Act are limited to a very narrow class of tenant. It is only the retail trader who could possibly have a claim, and then he could not succeed unless he could prove that goodwill has been created by his or her predecessors' trading.

### Committee's Scheme

Under the scheme proposed by the committee, a very much wider class of tenant will benefit. Wholesalers and manufacturers will be entitled to renewal of their tenancies in the same way as retail traders. Thus renewals may be obtained if the scheme goes through, even for factories, or warehouses or premises used solely in connection with wholesale businesses. Tenants of premises controlled by the Rent Acts, however, will not be entitled to any benefit under the proposed scheme. A trader who has a lock-up shop and uses the upper parts of the premises as a residence would come within this class of tenants if the rateable value of the premises did not exceed £100 in London, or £75 elsewhere. It is proposed, however, to give such controlled tenants a larger measure of security by making certain amendments of the Rent Acts themselves. Thus it is suggested that a landlord should not be entitled to recover possession on the ground of alternative accommodation, unless he proves that alternative business accommodation is also available. And in cases where the landlord required possession for himself the court in considering the question of greater hardship should also take into account the loss of his business premises that the tenant would suffer if he had to quit.

To deal now with the general proposal. The scheme is intended to be only a temporary one to meet the situation caused by the shortage of accommodation. Once that situation was eased and the sellers' market in property was no longer operative, the whole question could be reviewed. The principal object of the proposed scheme will be to provide security of tenure. There are no proposals with regard to the pegging of rents in general as there are under

the Rent Acts. Each tenant will automatically enjoy the *prima facie* right of having his tenancy renewed on application to the Tribunal if necessary, and on such application the Tribunal would determine which was the proper rent payable for the particular property. This rent would be the rent which a good landlord would require from a sitting tenant to whom preferential treatment was given. In fixing this rent the Tribunal would disregard any increase of value due to goodwill, or due to the execution of improvement carried out voluntarily and not in pursuance of any legal obligation.

Generally, renewals would be for a minimum period of three years and for a maximum period of seven years. Quarterly, monthly and weekly tenants would be granted a renewal for three years but without any right to assign the tenancy.

Upon the expiry of the renewed tenancy the tenant would be entitled to apply for a further renewal. This right to apply for a further renewal, however, would be limited to the tenant and to relatives taking an interest on the tenant's death. Accordingly, an assignee or a subtenant of a renewed tenancy would have no right to apply for a renewal. In order to claim a renewal the tenant would be required to serve notice of his claim on his landlord. The stringent rules of the Landlord and Tenant Act, 1927, with regard to service, would not, however, apply. If the tenancy is one which would expire automatically by effluxion of time, the notice has to be served merely in good time before the date when the tenancy is due to expire. If, on the other hand, the tenancy is determinable by notice to quit, the notice to quit will be invalid unless it is accompanied by a statement notifying the tenant of his rights under the scheme and the procedure that must be followed. If the notice to quit is in order, then the tenant, who will thus be fully apprised of his position, is required to serve his notice of claim by not later than the earlier of the two following dates, viz.: (a) the expiry of the tenancy, and (b) the expiry of a fortnight after the receipt of the notice to quit.

## N.H.S. : AN " INTERIM " SUMMING-UP

By G. H. M. Graham (Chairman, 1948-49, of the National Pharmaceutical Union)

**A**LTHOUGH it is almost twelve months since the appointed day, under the National Health Service Act, and chemists should be able to review their position as contractors, it is still not possible, owing to delay in settlement of accounts, to obtain an accurate picture. It will probably be December before a true analysis of the first year's work can be made. We should, nevertheless, be able to draw some broad conclusions from the figures that are now in our possession.



Mr. G. H. M. Graham

Speaking as a contractor, I would say we are no worse off now than we were a year ago. I would also go so far as to say we are no better off. The terms we accepted were fair to both the Government and the contractor. The Ministry had gone to great pains to obtain sound statistical data prior to negotiating with the contractors' representatives. Allowance was made for a falling-off in private dispensing. The only doubtful quantity was the amount of dispensing being done by dispensing doctors themselves for their private patients, which, under the new scheme, would come to the chemist. The Ministry computed that the average cost per prescription would be 29.5d. (assuming the global 1s. fee and 2½d. container charge). For the 78 million or so prescriptions dispensed between July 5 and December 31, 1948, I should say that the figure of 29.5d. is not more than 0.2d. out. It says much for the competency of the Ministry's experts that they calculated so accurately. It may well be, of course, that from January 1949 onwards the figure will rise by as much as twopence per prescription but it will drop again by 1.25d. when the container allowance is cut.

### Stock Increase

As I see it, larger and more varied stocks have been needed, particularly of "ethicals." As was foreseen, there has been a

tendency for doctors to order a large number of doses per bottle of mixture, and the demand for the larger sizes of lint, wool, gauze, etc., has been noticeable. There has been a drop in retail sales (our figures show it to be 18 per cent.) but total turnover is slightly up (3 per cent.) and there is a slight increase in the percentage gross profit (3 per cent.). The increase in gross profit has been almost exactly offset by wage increases, so that the net profit to the proprietor is the same as in the previous year. However, had it not been for N.H.S., total turnover would have been down (9 per cent.), and a lower percentage of gross profit would have obtained. Without any increase in wages, net profit would have been down (10 per cent.). Contractors, therefore, are no worse off, and not noticeably better off than they would have been without N.H.S., while staffs have benefited to the extent of the increased wages paid.

### Staff Problem

Staffing remains a problem and, because of the shortage of *locum tenentes*, it may be found necessary for some contractors to close their establishments for seven to fourteen days as the only means of getting a break from work this summer. The marriage factor of our qualified ladies must be taken into consideration now that so many girls are taking up pharmacy. In some instances pricing delays are imposing a burden on the younger contractors who have recently gone into business, but the fact that, from July, 90 per cent. of the contractor's own January 1949 prescription average will be paid on account, will go some way towards relieving the burden.

## A PHARMACIST'S ANTHOLOGY

... Obstinately

He canalised his fervour, it was slow,  
The task he set himself, but plotting points  
On graph paper he felt the emerging curve  
Like the first flutterings of an embryo  
In somebody's first pregnancy; resembled  
A pregnant woman too in that his logic  
Yet made that hidden child the centre of the world  
And almost a messiah; so that here  
Even here over the shining test-tubes  
The spirit of the alchemist still hovered  
Hungry for magic, for the philosopher's stone.

From "The Kingdom," by Louis Macneice.

## REMUNERATION UNDER N.H.S.

By F. C. Wilson (Secretary, Surrey Pharmaceutical Committee)

**F**OR better or for worse! As a man takes a woman to be his wife, so today pharmacy is wedded to the State service. For better, perhaps, because at long last the pharmacist in retail practice is *de facto* the dispenser of the nation's medicines — for



Mr. F. C. Wilson

worse, perhaps, because, by and large, the State is now the pharmacist's only customer for dispensing services. These two conflicting elements naturally reflect themselves in any argument on remuneration, because the State, in becoming the sole employer of dispensing services, is in the position of a "bulk buyer" when negotiating the terms upon which the service should be paid, while on the other hand the pharmacist is no longer able to make up on the "private" swings what he may lose on the State roundabout.

### Hard-worked Pharmacists

In areas where the pharmacist did little or no private dispensing, it might be true to say (as did a writer in the New York "Saturday Evening Post") that the chemist is better off under the new service than he was under the old. But, if this be true—and it may well be that such conditions rule over the greater part of England—there can be no doubt that he has to work much harder than he did before July 5, 1948. There can be no doubt that the pharmacist's remuneration under the National Health Service is more satisfactory than it was under the old N.H.I. system. The effect, however, on the net income of the individual proprietor pharmacist is not by any means so favourable as one might expect from fees which are approximately double those of the old service, because a much higher proportion of his income is derived from credit sales—upon which the credit is greatly extended. In fact, in few areas have chemists yet received settlement of their February accounts.

The net remuneration of a chemist contractor is further reduced by a general increase in remuneration which he in his turn has to pay to members of his staff. Salaries of assistant pharmacists and unqualified assistants have both risen recently by amounts which even a year or so ago would have been thought considerable. A further factor that has created concern in the mind of the contractor pharmacist is a change in the prescribing habits of the general practitioner. This has had the effect of greatly increasing the average ingredient cost per prescription. In the Surrey area, the average ingredient cost in January 1949 was 5d. per prescription more than it was in June 1948. Such tendencies not only tie up more and more of the pharmacist's capital in slow-moving high-priced medications, but at the same time saddle him with dead stock. Paragraph 15 of the Drug Tariff entitles a pharmacist to claim for ullage where a proprietary medicine is obtainable only in an original package, but there is no provision at present for payment for broken bulk in non-proprietary medicines, even though they may, of necessity, have to be purchased in quantities greater than are actually required to fill a particular prescription. Many chemists find themselves involved in losses on such drugs.

### Sales over the Counter

It is, as yet, much too early to assess the effect of N.H.S. on general counter business. In some areas chemists report a considerable reduction in counter sales from July 5, 1948, in other areas the reduction is measurable by the reduction in private dispensing which has turned over to the N.H.S., while in still other places there has been little or no reduction in counter sales. Until it is possible to obtain statistics of the general recession in trade over a wide field of distributive trades, and to compare them with pharmaceutical figures, it would be futile to attempt to measure the effect of N.H.S. on the general sale of medicines. To sum up, the contractor pharmacist is, I think, better off financially than he was prior to the introduction of N.H.S., but the amount of work involved and the extra worries are barely adequate compensation for the increased remuneration.

## TWELVE MONTHS OF N.H.S. PRICING

By T. Heseltine (a member, Joint Pricing Committee for England, and chairman, Central N.H.S. (Contractors) Committee and Pricing Working Party)

**T**HE pricing of prescriptions has been and still is, so far as chemist contractors are concerned, the most unsatisfactory part of the National Health Service contract. Since the coming into operation of the National Health Service



Mr. T. Heseltine

Act, the position has been little short of chaotic, and although the work of those responsible for pricing has been one of earnest endeavour, it must be recorded that little improvement is yet apparent.

*What are the causes?* Amongst many, the vast increase that has taken place in the numbers and com-

plexity of scripts; latterly the new method of pricing according to dosage; shortage of staff; and the complete unpreparedness of the majority of pricing bureaux, must take pride of place.

*Who or what is to blame?* The popular answer is, of course, the Ministry of Health, but the writer would ask contractors to apportion the blame and distribute it according to the facts. Almost twelve months prior to July 5, 1948, the superintendents of all pricing bureaux were instructed to augment their staffs by some 20 per cent. It has to be recorded that few, in fact, did increase their staffs to any great extent, partly because of shortage of accommodation and machinery, partly through sheer inability to recruit staffs at the salaries offered, and partly because some superintendents failed to appreciate the magnitude of the task that was to confront them.

### Improvements Effected

*What has been done in an endeavour to improve pricing?* The Ministry of Health has centralised the management of all thirteen bureaux in England in one committee known as the Joint Pricing Committee for England, a committee with full executive powers. Amongst the members of the Com-

mittee are representatives of various Executive Councils and four members representing the Contractors' Committee. The Joint Pricing Committee usually meets at one or other of the pricing bureaux in order to obtain a correct picture, on the spot, of the many and varied difficulties involved in the pricing of prescriptions. The Committee has demanded and obtained permission to augment staffs, to increase salaries considerably, and to improve the accommodation and efficiency of various bureaux. It has reallocated the prescriptions for pricing according to the staff and general efficiency of each bureaux.

### Pricing Working Party

The Ministry has set up a Pricing Working Party consisting of four members of the Contractors' Committee, with Mr. H. Noble (secretary, National Pharmaceutical Union) and representatives of the Treasury and Ministry of Health. This Working Party has as its sole duty the acceleration of pricing and has examined in detail, in conjunction with the N.P.U. and Contractors' Committee, every suggested method with—on the contractors' part—"always the aim of pricing in full." Some 180 million prescriptions are estimated to have been dispensed during the first twelve months and, as is well known, many and varied methods of pricing have been tried. None, unfortunately, has proved satisfactory to the main body of the contractors. After a term of averaging, full pricing was demanded for the October 1948 prescriptions, but it soon became obvious that to price four weeks' scripts in four weeks was a physical impossibility. In fact, in the majority of pricing offices the time actually needed was twelve weeks and upwards. Realising this, the contractors' committee was again forced to accept a system of payment by averaging, with a proviso that each contractor should be paid 80 per cent. of his July average (with a minimum of 1s. 10d. per prescription) within three weeks of submission of his scripts; that all scripts value 2s. 6d. and upwards, plus all specials, plus one week's scripts of the under 2s. 6d. group, should be priced in full, the contractor being paid on his own average. That scheme also was found to be impracticable, and after "consultation"

(but not agreement) with representatives of the Contractors' Committee, the Ministry of Health, acting strictly within its constitutional powers under the Act, gave notice that all scripts with an ingredient value of 5s. and over, all "specials," and a minimum of 20 per cent. of the remainder, would be priced in full from June 1, 1949.

Time alone will enable the Joint Pricing Committee to discover whether this latest method will enable prompt and reasonably

accurate payments to be made, but the contractors can be assured that the Ministry and the N.P.U. will continue to check the results and make adjustments accordingly.

It is the writer's considered opinion that the representatives of the Ministry, the Contractors' Committee, the Joint Pricing Committee and the Pricing Working Party are all equally desirous of discovering a method of pricing that will satisfy the demands of all concerned.

## METROPOLITAN DISPENSING UNDER N.H.S.

By Stanley Robinson (secretary of the East Metropolitan Branch of the Pharmaceutical Society and president of the West Ham and District Association of Pharmacists)

**A**LMOST a year has elapsed since the "Appointed Day" and it is opportune for pharmacists to take stock and consider how the expectations, hopes and fears of the pharmacist in business, the employed pharmacist, the doctor and the general public have materialised.

### Needs of the Area

In the vast population concentration of East London and Metropolitan Essex the types of chemists' businesses are of wide variety including large establishments in modern centre-of-the-town shopping centres, family businesses in good middle-class residential suburbs, and units in thickly populated industrial localities which had heavy dispensing practices under National Health Insurance. In all cases State dispensing appears to have approximately doubled, whilst private dispensing has virtually disappeared. The patient who still visits a consultant in Harley Street has, it seems, already learned that he can take the prescription to his own N.H.S. practitioner and have it copied on an E.C.10 form, and thus have it dispensed without cost to himself. Whilst, in a few businesses, it has been found necessary to expand the already existing dispensary and in one or two instances to install new ones, the majority of pharmacies in the area have been able to cope with the work without alteration of premises and with a minimum of extra equipment. The capital investment has only slightly increased, due to having to stock a larger range of proprietaries and larger quantities than heretofore. In some districts, the practitioner who had been in the habit of supplying ready-compounded

mixtures supplied to him by certain drug houses has continued ordering these, and that has entailed having on one's shelves a new series of Winchesters, not familiar before N.H.S.

Counter sales have definitely fallen since July 1948, but whether this is due to the public not resorting so readily to self-medication or to a general recession in retail trading is a moot point. Certainly, in the middle-class dispensing business, there has been a notable decrease in the sale of high priced "ethical" proprietaries, either over the counter or by prescription, and it is obvious that many people are obtaining these under N.H.S. at an important saving to their pocket.

Taking everything into consideration, I feel the proprietor pharmacist in an average suburban business has had his income increased, the value of his capital augmented, and his leisure hardly curtailed with the advent of N.H.S. In the more industrial districts, the man who generally worked hard before finds he has to work harder still; his efforts are even less appreciated by his public, and N.H.S. is probably a mixed blessing.

### Managerial Status

To the pharmacist employee and—more important—the pharmacist manager, the coming of N.H.S. has brought great responsibility. His problems are almost identical with those of the proprietor and, like him, he has in general gained financial benefit and security. Unfortunately, by reason of the omission from the Act of a permissive clause that would enable Executive Councils to give the pharmacist in control of a dispensing unit a part in the

contract, the pharmacist manager has gained nothing in professional status, while the division of Pharmaceutical Committees into employed and self-employed sections has not helped to unity in the profession. Attempts (for the purpose of ensuring rota dispensing services on half-holidays and Sundays) to persuade local authorities to present a blind eye to the provisions of the Shops Acts and Sunday Trading Acts are resented by certain employees. In the writer's opinion there is no need, in the large centres of population, for any infringement of the Acts in order to give adequate service.

Medical practitioners appear, in the main, to find satisfaction in being able to close down their dispensaries. Quite a few in this area now write prescriptions for their remaining "private" patients. In Ilford and West Ham, Saturday evening surgeries have virtually disappeared, and in most cases a Saturday evening after-

hours rota has proved futile, since not one script has been tendered.

The public appear, on the whole, to be satisfied, and to value N.H.S. as a monumental advancement in the social services of the nation. So long as there remains one unit in an area at which an urgent medicine can be procured at any time, whether from a resident pharmacist or from an all-night dispensary, there has been little complaint regarding service. Resentment is, however, often felt when obscure proprietaries are ordered and the patient cannot be satisfied immediately, and there is still room for the organisation of more dépôts with stocks. It is important that all intelligence organisations such as police stations, town halls, citizens' advice bureaux and local newspapers should be provided with adequate and up-to-date information of dispensing units available on rota, and, even more important, for emergency dispensing.

## HEALTH ESTIMATES UNDER SCRUTINY

THE seventh report from the Select Committee on Estimates, issued recently, deals with the administration of the National Health Services. The Committee, one of whose functions is to suggest what economies, consistent with the policy of the Government, may be effected in the departmental estimates, heard evidence from Treasury, Ministry of Health, and Department of Health for Scotland officials, from the chairman of the London and Renfrewshire Executive Councils, from the Clerk to the Edinburgh Executive Council, etc.

### "Surprisingly Little Friction"

In an introductory review of the scope of the National Health Service, the report points out that "any organisation to run the National Health Services had to undertake a scheme of great magnitude, and had no reliable precedents to guide it." In the circumstances, "it was gratifying to find from the evidence that, on the whole, the scheme was settling down with surprisingly little friction." However, the Committee came to the conclusion that it would not be profitable to inquire into the scales of payment for professional service under the N.H.S. Act, which, like the demand, had not yet reached a permanent level, and some of which were still the subject of negotiation. The Committee's comments in the other parts of the report are put forward with the reservation that it is as yet

too early to judge whether or not the National Health Services are being managed economically.

The estimated net total cost for 1948-50 is £259,727,600. Of this amount, £40,700,000 is met by contributions from employers, employees and self-employed. The remaining eight-ninths is paid for out of taxation. Under the heading "Pharmaceutical Services," the report states that the estimates for pharmaceutical services (the totals are: England: £17,530,000; Wales, £1,470,000; Scotland: £1,800,000) were easier for the departments to frame than those for the dental or ophthalmic services, "because the remuneration of pharmacists had been the subject of a Working Party, whose conclusions assisted the Ministry in fixing payments. The main cause of the original estimate for 1948-49 (£11 millions in England against a revised estimate of £15 millions, with similar increases in Wales and Scotland) being too low was the unknown factor of the demand for the services. Partly by reason of the publicity the new Service received, and "in part also to patients taking the fullest advantage of the schemes to obtain such things as bandages and aspirin without payment which they did not do under the old scheme." A brief summary is given of the work of the pricing bureaux as "checks against the abuse of the Service," though it is recorded that one chairman of an

Executive Council expressed the opinion that there had not been the degree of scrutiny he considered essential. His remarks, however, involved no criticism of chemist contractors,

since he was referring to prescriptions for items which, under the old N.H.I. scheme, would have been regarded as food rather than medicine. The Committee recommends that the departments administering the Health Services should make such regulations as are practicable to prevent excessive or wasteful prescriptions, and that the schedules of medicines and appliances available under the Services should be reviewed from time to time in the light of experience. No "obvious major defects" were found in the administration, though there is considered to be scope for review of the detailed working of the Services, and of the remuneration and conditions of service of those engaged in providing services, and a need for public recognition that abuse of the facilities constitutes a grave threat to their maintenance and further expansion.

#### Administrative Arrangements

At the first day's hearing Sir William Douglas (permanent secretary, Ministry of Health) described the changes made within the Ministry to cope with the National Health Service. There had been a division, he said, into two, with two Deputy Secretaries, one concerned almost entirely with the new Service. There had been a substantial increase in personnel and a transformation of the organisation. In time one would hope that the burden at present on the Ministry would be diminished to some extent, but possibly by that time something else would have cropped up that would use the services of that particular staff in some other capacity. It would not be right to say that a view had yet been

formed as to what the proper establishment should be. A lot of the additional staffs of the Executive Councils, as distinct from the Ministry, were clerks

#### POPULATION AND EXPENDITURE UNDER N.H.I. AND N.H.S.

AREA AND SERVICE	NATIONAL HEALTH INSURANCE		NATIONAL HEALTH SERVICE		
	Esti- mated popula- tion served	Expendi- ture in year ended December 31, 1947	Popula- tion served	Revised estimate of expenditure 5-7-48- 31-3-49 scaled up for twelve months	Estimated expenditure 1949-50
				£'000's	
ENGLAND AND WALES	'000's	£	'000's	£'000's	£'000's
Medical ...	20,051	15,414,921	42,852	39,733	40,400
Pharmaceutical ...	20,051	6,290,575	42,852	21,633	19,000
Dental ...	11,600	1,493,415	42,852	25,333	28,204
Ophthalmic ...	8,000	611,602	42,852	18,000	12,420
SCOTLAND					
Medical ...	2,316	2,243,000	5,130	5,333	5,400
Pharmaceutical ...	2,316	526,000	5,130	1,987	1,800
Dental ...	1,400	248,000	5,130	3,733	2,700
Ophthalmic ...	1,000	78,000	5,130	1,960	2,250

The medical figures under National Health Insurance do not include maternity services (provided under N.H.S.). The expenditure figures for dental and ophthalmic services under N.H.I. are costs to public funds and do not include certain benefits paid for by patients under N.H.I. and by the State under N.H.S.

brought in to get rid of arrears. The Ministry would have its statistical picture of the flow of applications from the various forms of service—dental, ophthalmic "and all the rest of it." When the curves began to drop, the staff curves should also begin to drop, and if they did not, there was a *prima facie* case for investigation. It was not left to Executive Councils to decide what rate it should pay to its subordinate officials. Salaries varied according to the size and responsibility of the work of the Executive Council.

#### Estimated Cost Per Prescription

Examination of the pharmaceutical estimates occupied the whole of February 22 and part of March 1. The Accountant-General, Ministry of Health (Mr. H. H. George), said it had been assumed in drawing up the original estimates that the number of prescriptions would be about double the number under N.H.I. The average cost had been taken at 2s. 7½d., and it had been assumed that about seven-ninths of the amount due would be paid in the nine months—that there would be a lag of two months' payment. The amount by which

the estimate (£11,450,000) had been exceeded (£4 $\frac{3}{4}$  millions) was almost entirely due to the number of prescriptions. The actual cost proved to be 2s. 8 $\frac{1}{2}$ d. instead of 2s. 7 $\frac{1}{2}$ d. per prescription.

### Amount Per Person at Risk

Sir George Henderson (Permanent Secretary) said that the information the Ministry had from N.H.I. was that the average amount per person at risk was 4s. 9d. It had been assumed that the amount per person at risk under N.H.S. would be 6s. 6d. In fact, it was just under 8s. The increase in the estimate was £240,000. Of that, an estimated £100,000 was due to a higher dispensing fee than had been estimated. "We were quite clear that the 9d. previously paid was inadequate, but we had thought 1s. was the figure at which we would settle with the chemists, and that is the figure we used; in fact, the figure settled was 1s. 3d." Part of the increase was due to the payment for containers amounting to £90,000. The balance of £50,000 was due to the unexpectedly high number of prescriptions that had been made out, the high frequency.

### "Machine Works Well"

Asked by the chairman whether there had been any difficulty in the actual working out of the scheme, Mr. George said "I have not heard of any difficulty. The machine works quite well . . . The machine is that the Executive Councils pay the chemists' bills, but they have joined together in various little groups set up by the Executive Councils whom they serve." If the pricing bureaux found anything exceptional they referred it to the Department. They were surprised to find that the number of prescriptions went up in a greater proportion than the population served. "We expected that, if twenty millions, had so many, forty millions would have just twice as many, but we get more than that."

THE CHAIRMAN: Is the excessive number of prescriptions due to drugs of any type coming under prescription now that formerly were not?

MR. GEORGE: It is very difficult to say, but I should imagine that some people who before went to a chemist to get a bottle of aspirins now go to the doctor. That is the sort of reason. They get even the cheap things free.

SIR GEORGE HENDERSON thought probably the publicity scheme had received had made that difference. There was probably a better appreciation of what a person could get under the new scheme. No direct answer was given to a question whether the dispensing fee was too high or whether there were any reports of excessive earnings by chemists, but an analysis was given of the way in which chemists' earnings were made up and how the average dispensing fee of 1s. was correlated with the differential fees for various operations. Eighty per cent. of a chemist's account, based on the figure paid the previous month, was paid at once. "The money goes out rather quicker than we anticipated."

### Pricing Bureaux' Work

Mr. George said the pricing bureaux were really flooded out and that was why the system of not pricing everything had been adopted. "Theoretically, we ought to price everything, but with these millions in England and Wales—and we shall have about 125 million prescriptions in these months—it is a tremendous amount of work."

Sir George Henderson was asked whether it was hoped eventually to price every single item. He replied: "What we may do is this: when we get more experience the 80 per cent. may go up higher. We find there is so little divergence month by month in the average price per prescription that we can take a risk and recover next month if we have paid too much." They were satisfied that the present method was reasonably near the mark, but to be quite frank were looking to see if they could not get even shorter cuts. MR. H. H. GEORGE agreed that the system was not in accordance with the original regulations. "The regulation says we are to price the prescriptions, and the way we are doing it is to price a quarter of them and apply that average to the rest, and that is done by agreement with the profession." So far as he knew, the chemists had raised no objection. "As long as we get the right answer and get the money out quickly, that is the thing that matters."

A question was asked about excessive prescribing. Ought not the chemist to be given some sort of instruction to draw attention to cases like that. "It is a little difficult to get chemists to criticise doctors' prescriptions," was the reply.

# UNSOLVED PROBLEMS OF THE SERVICE

By G. H. Armitage

**T**HE late Sir William Glyn-Jones—a one-time chairman of the Middlesex Insurance Committee—stated on one occasion to the Royal Commission on National Health Insurance: "Probably the average practitioner, I say with



Mr. G. H. Armitage

great respect—and the average pharmacist, does not worry himself very much about the machinery of Insurance Committees provided the terms and conditions are satisfactory." Probably the same remarks apply under the National Health Service. Backed up by the manufacturers and wholesalers, chem-

ist contractors have, under N.H.S., given 100 per cent. service throughout the pharmaceutical field during normal hours. Yet they are acutely aware of unsolved problems. One of these is the problem of providing a standardised dispensing service outside contract hours. In this connection it is worth recalling that, under the regulations applying to the medical profession, "A practitioner is required to supply to a patient such drugs and appliances as are required for immediate administration or application or for use before a supply can be obtained otherwise under the regulation." This clause, while providing for emergencies, does not exonerate contractors from providing a reasonable service outside normal hours, either by a general rota system or by a late service on a shift-basis. However, the onus of securing that late service falls on the Hours of Service Committee of the Executive Council.

## Trespass?

At the moment, some "fussiness" is being displayed by certain medical officers of health within the Metropolitan boroughs, who are making inquiries whether patients have complained of difficulties in getting their prescriptions dispensed at chemists' shops outside normal hours. If so, action is promised. Such action constitutes an encroachment on

what is properly within the province of the Executive Council and its "Hours of Service" Committee.

Drug Tariff fees, which do not err on the side of generosity, seem to be based upon a normal working week for the chemist, as governed by the Shops Acts and Regulations. Yet by education, professional skill, training, and responsibility, the pharmacist ranks as a specialist. Each E.C.10 handed in represents an individual service at three levels:—(1) Clerical, to ensure correct timing, and smooth working in the dispensary; (2) manipulation, plus labelling, checking, and the fulfilling of statutory obligations, or the supervision of those operations; (3) handing over the medicine to the patient, and finally sorting out the completed E.C.10's and bundling them in the prescribed manner. To carry out these services, the contractor secures a site, provides premises, stocks, and equipment, and meets all overheads. The premises often necessitate repairs, and leases require renewals, often at enhanced rates. Clearly the Minister is getting a pharmaceutical service at a very reasonable price, for a local authority, in setting up and operating a health centre and providing a dispensing service, would have to charge up those running costs to public funds, and John Citizen, not John Pharmacist, would foot the bill.

## Burden of Delayed Payments

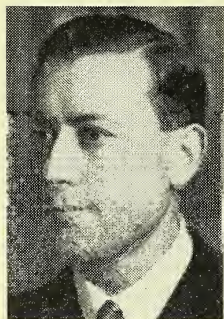
Even with the recent increase of 10 per cent. in the advance payment, delay in settling contractors' accounts is a grievous burden to the average self-employed pharmacist. In the absence of financial backing resort has had to be taken by some to loans or subsidies to meet commitments. Private dispensing has dropped considerably. Sales of proprietary medicines have diminished. So have counter sales of first-aid and surgical equipment. The decline in turnover in proprietary medicinal preparations is, I believe, only temporary. Sales, over the counter, of chemists' sundries will increase when the supply position improves, and nostrums of proved value will in due course return.

The staff position is not improving. It is so difficult that Executive Councils are being recommended, by rota arrangements, to enable chemists to close their premises for a week or two in the summer in order to secure a holiday.

## HOSPITAL OUT-PATIENT WORK UNDER N.H.S.

By A. E. Footitt (pharmacist, Royal Northern Hospital)

**T**HE introduction of a National Health Service has brought about certain changes in procedure and treatment at the hospital out-patient department which have had their repercussions on the pharmaceutical department of the



Mr. A. E. Footitt

hospital. Most outstanding because of its immediate effect has been the disappearance of that hospital G.P.—the Out-patient Medical Officer. It was he who did the preliminary sorting out of patients, many of whom came without prior reference to their private doctor, and referred those whom he did not

feel competent to treat to the appropriate honorary physician or surgeon. Since July 1948 all out-patients have been sent by their general practitioner or have been transferred from other departments for further examination or special investigation. Those patients then pay a second visit, when their report is considered and treatment decided.

If the treatment is one that may be carried out by their general practitioner, the patient is referred back to him. The immediate effect of this change of procedure on the pharmaceutical department was a sudden drop in dispensing. Some familiar faces are now seen again at the out-patient window, and evidently a number of old chronic cases have contrived to persuade their G.P. to refer them back to the hospital. New specialist clinics have appeared and are still appearing (e.g. rheumatic, diabetic, neurosurgical, spastic, parenthooid, psychiatry, etc.) so that the work of the pharmacist is now to a large extent finding its old level as the number of out-patients steadily increases. Although the use of drugs and their character has been changing over a number of years, the factors mentioned above have accelerated the use of many new products which the increased consultant staffs desire to use.

### New Drugs

Often such drugs are only in their experimental stage (e.g., *p*-aminosalicylic

acid for tuberculosis, copper injections for arthritis, undecylenic acid orally for psoriasis, large doses of hormones orally and by implantation, new applications of penicillin and streptomycin, and many others). Thus the work of the out-patient pharmacist has become more interesting, but if he is to dispense these newer drugs intelligently he must of necessity keep himself well informed of the literature relating to them. The hospital pharmacist looks anxiously at his drugs bill when he sees the mounting cost of such treatments, but at the same time feels hesitant to curb the prescribing enthusiasm of his medical staff. An initial supply of drugs may be obtained from the hospital by some out-patients, while others are required to make several visits for special treatment, during which they also may attend the dispensary. It is perhaps too early to assess the effect of the National Formulary upon prescribing for out-patients. Individual hospitals and particularly the teaching and other large voluntary ones have been jealous of the use of their own pharmacopœias. A general adoption of the N.F. by hospitals would make for uniformity, while favourite formulas could be collected and added as a supplement by each hospital. With the development of the hospital service, many more hospitals have out-patients attending.

### Effect of Grouping

Different methods have been devised for providing medicines, and these were recognised in February by a statement from the Minister. The grouping of hospitals has in some instances enabled pharmaceutical staffs to be transferred for a day to a subsidiary hospital. Where, owing to distance or staff shortage, this has been impracticable, special provision has been made for prescriptions written upon the pink form E.C.10 (H.P.) to be dispensed by an outside contractor. With economies in the National Health Service being forced upon us, the Ministry would no doubt carefully consider the relative costs of dispensing by a contractor and in a hospital pharmaceutical department before extending that system to all out-patients. Already a compromise is seen in the scheme for bulk prescribing for boarding schools and certain institutions, while the hospital pharmacist has lost his right to become a contractor.

## JENNER, PIONEER OF VACCINATION

THE birth 200 years ago of Edward Jenner (the discoverer of vaccination), was celebrated in London recently by a bicentenary meeting of the Royal College of Surgeons, and by the opening of an exhibition of manuscripts (including prescriptions) and other exhibits associated with him at the Wellcome Historical Medical Museum, London. Born the son of a parson at the

Old Vicarage, Berkeley, Glos, on May 17, 1749, Jenner lived to become (in the words of Sir Edward Mellanby in the bicentenary lecture to the Royal College) "the parent of modern work on viruses and virus diseases, and even of modern immunology." Apprenticed at the age of thirteen to a surgeon at Sodbury, near Bristol, with the intention of becoming an apothecary, Jenner studied pharmacy and surgery. In 1769, at the age of twenty, he became an apprentice to John Hunter, then a surgeon at St. George's Hospital, London, and the owner of a menagerie (where he made his celebrated studies on the structure and habits of animals). Natural history had equally been a subject close to Jenner's heart since a boy, and while with Hunter he was given the responsibility of arranging the botanical specimens brought back by Captain Cook on his first voyage to the Pacific. On returning to Gloucestershire as a country doctor (he had an M.D. of St. Andrews University), he continued his natural history studies, maintaining a close correspondence with Hunter. It was in a letter (concerning the temperature of hibernating animals) that Hunter sent Jenner advice, since made famous: "... but why think? Why not try the experiment?"

### Cowpox from a Dairymaid

While an apprentice at Sodbury, Jenner had been struck by a young country-woman's statement that she could not take smallpox because she had had cowpox. Hunter had not been interested in Jenner's report of this, but years later, after Hunter's death, Jenner noticed that he could not inoculate successfully persons

who had previously had cowpox. Jenner, therefore, set out to show that cowpox protected against smallpox, and that cowpox could be transmitted from one human being to another. In May 1796, he inoculated a boy (James Phipps) with matter from a typical cowpox lesion on the finger of a dairymaid (Sarah Nelmes). The boy was subsequently inoculated with matter from a smallpox case, and the inoculation proved unsuccessful. A treatise he sent to the Royal Society on this observation was refused, with an admonition, but Jenner added more



EDWARD JENNER, 1749-1823  
(from a mezzotint by W. Say after J. Northcote in the National Portrait Gallery).

material to the report and published it privately as a book. The demand for the book necessitated three editions to be published, while the work was also translated into many foreign languages. Difficulties later arose because of the absence of volunteers as subjects for vaccination, but after Henry Cline, a London surgeon, had confirmed that vaccination produced immunity to smallpox, the practice of vaccination began to spread. In 1800 Jenner personally vaccinated the 85th Regiment. About the same time vaccination spread (with the help of Professor Benjamin Waterhouse) to America and afterwards to France, Spain, the Mediterranean countries, and finally throughout the world.

## LYMPH PRODUCTION AT THE LISTER INSTITUTE

IN modern laboratories at Elstree, Herts, the vaccine lymph department at the farm of the Lister Institute of Preventive Medicine continues the work initiated by Edward Jenner (see p. 853) of preparing material for inoculation against smallpox. The department, which issues some one-and-a-half million doses of vaccine lymph annually on behalf of the Ministry of Health, and maintains a reserve stock against possible epidemics of about two million doses, is one of the few establishments in Britain now producing this important prophylactic agent. In addition to supplying lymph for the public health services in Britain, H.M. Forces, and authorities in the Colonies, the department issues lymph for private sales (Allen & Hanburys, Ltd., having acted as agents for the Institute's products since 1895).

Workers at the Lister Institute began preparing smallpox vaccine in 1905, using calves, as did other producers, for inoculation purposes. During the 1914-18 war, however, the supply of calves became difficult, and Dr. Green, then in charge of the work, investigated the possibility of using sheep. Tests showed that sheep vaccine was as active as calf vaccine, and as sheep do not suffer from tuberculosis and are more easily kept clean than calves, the Institute has used sheep ever since.

Six sheep are used each week for the production of the lymph at the laboratories. After keeping the sheep in quarantine for a fortnight each animal is tethered securely on its side on a specially designed table. A final health examination is made,

and, if the result is satisfactory, the whole of the sheep's flank is clipped and thoroughly washed. An area from the shoulder to the hip joint, and from the centre line of the back to the underline of the belly is then closely shaved, and the shaved and surrounding areas are again washed, and the shaved area finally washed with ether soap, and rinsed with sterile distilled water. The surround is covered with sterile towels. The washing period occupies at least one hour, a stringent washing procedure reduces the bacterial contamination of the lymph.

### Vaccination of the Sheep

The shaved and cleansed area of the sheep is lightly scarified with a sterilised eight-bladed scarifier (see Fig. 1), and about 8 mils of seed vaccine are spread evenly over the scarified area with a sterilised spatula. (The seed vaccine contains virus derived from a smallpox strain in Cologne late in the nineteenth century, and adapted by passage through animals to form vaccinia virus. At the Institute's laboratories the virus is passaged in sheep and rabbit alternately). Each sheep, after inoculation, is returned to a special pen for a four-day incubation period.

At the end of the incubation period each sheep is killed, secured on a table, washed as before vaccination, and dried by dabbing with sterile towels. The vaccinated area is thoroughly curetted with a specially designed Valkmann spoon, and the pulp, so obtained (pale pink in colour from the slight blood-contamination) is

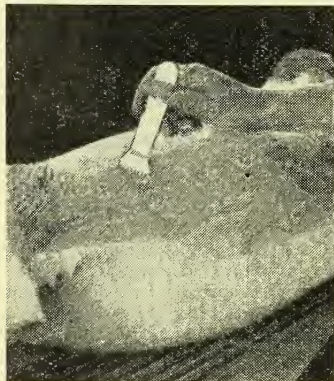


Fig. 1. Washed and shaved flank of sheep being scarified before inoculation.

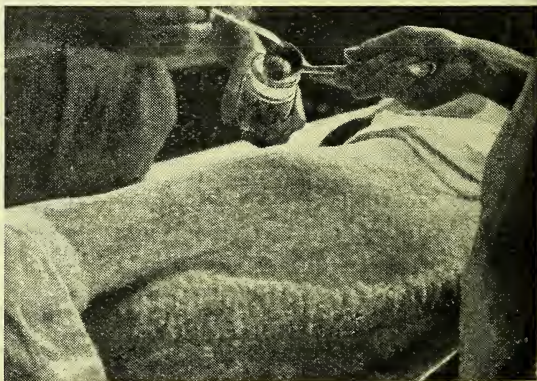


Fig. 2. Pulp obtained by curetting the flank of the previously killed sheep being transferred to a sterilised bottle.

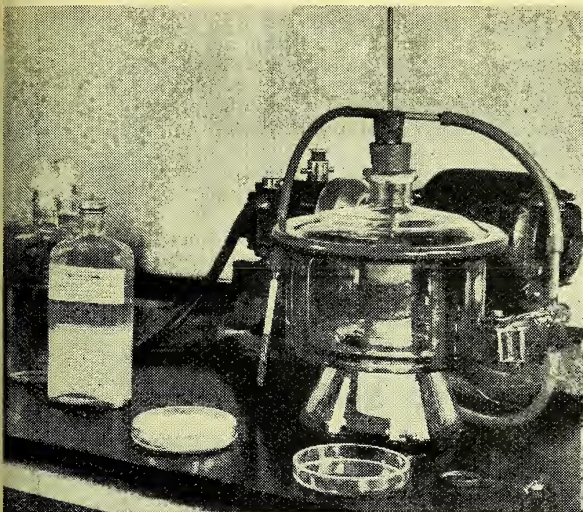


Fig. 3. Apparatus for "dispensing" lymph. A bundle of about 800 capillary tubes (shown in centre of desiccator) is lowered into the beaker of vaccine lymph (below). Sufficient lymph for one dose is drawn simultaneously into each of the tubes, by vacuum action, and the ends of the tubes are washed with sterile water.

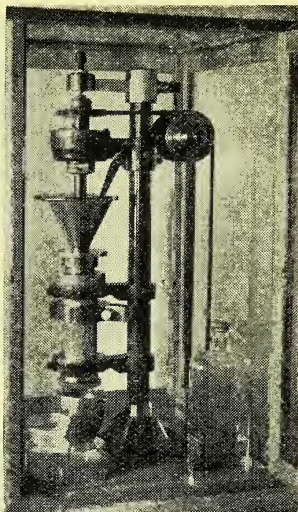


Fig. 4. Machine (enclosed in a glass case) with which the pulp is ground. The machine is operated by a belt drive from an electric motor below the bench.

transferred from the spoon to a previously weighed and sterilised stoppered jar, labelled with the number of the sheep (see Fig. 2). The weight of pulp from each sheep is recorded, the sample given a laboratory batch number, and stored at  $-10^{\circ}\text{C}$ . until it is required for grinding.

### Grinding the Pulp

To reduce the crude pulp to a uniform emulsion the pulp (after thawing sufficiently) is passed through a grinding machine (see Fig. 4). This apparatus acts like a miniature sausage machine and consists essentially of a nickel rod with a diminishing screwthread which revolves in a vertical nickel sleeve. Each batch of pulp is ground separately. The pulp is poured in the machine (previously autoclaved) through the funnel, and the ground material is delivered at the bottom of the sleeve into a sterile crucible. The process is conducted in a "semi-sterile" atmosphere, the sealed room being subjected to a triethylene glycol aerosol for one hour while the benches are oiled before commencement of the grinding. During the process a 1 per cent. phenol solution is incorporated (2 c.c. to each gm. of pulp). After grinding, the lymph is incubated at  $2^{\circ}\text{C}$ . for forty-eight hours, during which time the phenol greatly re-

duces the number of contaminating organisms. The lymph is stored at  $0.4^{\circ}\text{C}$ .

The product is tested bacteriologically (on agar plates) to ensure that, after the exclusion of recognisable pathogens, the number of living bacteria and other micro organisms is within the limit set by the Therapeutic Substances Act. (In practice, because of the special washing precautions taken at the vaccination and collection and the action of the phenol, the number is usually well below 1,000 per mil).

### Glycerin Added

Two parts of glycerin (a substance which, as S. Monckton Copeman pointed out in 1891, gradually reduces the bacterial contamination) are then added and the product is tested, as required by the Therapeutic Substances Act, for the absence of hæmolytic streptococci, *Bacillus Coli*, tetanus and anthrax organisms. Batches which pass these tests are pooled (in lots of about 1,000 mls), tested for potency by comparing with a known sample their power, when diluted (from 1:1,000 to 1:16,000) to produce characteristic lesions on the scarified flanks of a rabbit. If sufficiently potent, the lymph is dispensed by a vacuum device (see Fig. 3) into capillary tubes containing one dose, and sealed. The sealing process is done

by hand because no satisfactory sealing machine has yet been devised for the purpose. The tubes are then stored between  $-10^{\circ}$  and  $-15^{\circ}\text{C}$ . until required for issue. Multiple doses (for group or mass vaccination) are issued in ampoules. When dispatched the tubes are packed in a box made of insulating material (expanded rubber) with a tin of ice which maintains the lymph at or about  $0^{\circ}\text{C}$ . for forty-eight hours.

In addition to producing vaccine lymph, workers at the laboratories are actively engaged in research. An experimental study, for example, is being made on the conditions under which a dry stable prepara-

tion of vaccinia can be obtained which would be suitable for use in the tropics, and could be stored without refrigerators. Research is also in progress on the production of a vaccinia preparation (for immunisation) cultivated on developing chick membranes, which would be free from bacteria, and which could be injected.

The Lister Institute, which dates from 1889, is a private research organisation and a school of the University of London, and obtains its income from endowments, donations and the sale of therapeutic substances. Any profits made from the sale of its products are used for the Institute's research activities.

## A NEW WEST-END SHOWROOM

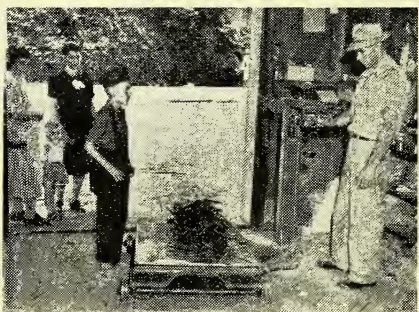


ON June 20 a new West-end showroom was opened by S. Maw, Son & Sons, Ltd., at 67 Jermyn Street, London, S.W.1. Many chemists throughout the country will remember the company's pre-war showroom in the City. Just prior to the 1939-45 war, when a move was made to modern and extensive premises at Barnet, Herts, the showroom was temporarily transferred there. Now the company has found suitable premises in an exceptionally convenient position only four minutes from Piccadilly Circus. The new showroom, fitting rooms and telephone order department are in the Maw tradition of dignified, professional, yet businesslike presentation. The goods include Messrs. Maw's range of chemists' and surgical sundries, an exceptional choice of display stands, showcases and signs, together with new products and ideas for retail dis-

play. Invitations to visit the showrooms are being sent to all pharmacists, who are being invited to use it as a convenient centre when in London. The opening coincides with a reorganisation of the company's order system to deal efficiently with the large volume of orders now being received from chemists and hospitals all over the country, while retaining the element of personal service.

The chairman of the company (Brigadier A. R. W. Low, C.B.E., D.S.O., B.A., M.P.), in an address at the opening of the showroom, explained that the company was appreciative of the competitive times that were almost upon the country and the showroom was a symbol of efforts to give that efficient service required by chemists. The showroom was formally opened by Mrs. M. J. Maw, mother of Mr. Denys Maw (general manager).

## DRUG COLLECTION IN NORTH CAROLINA



**I**N North Carolina, the collection of medicinal herbs, barks and roots is undertaken by hundreds of families on a seasonal and part-time basis. The material is brought in (1) to depôts such as that of Mr. R. T. Greer, Lenoir, illustrated, and weighed (3) and paid for on the spot. Dried bark (2) is baled and shipped in vanload quantities to pharmaceutical manufacturers.

## PHARMACEUTICAL SOCIETY OF IRELAND

MR. P. A. BRADY (president) was in the chair at a meeting of the Council of the Pharmaceutical Society of Ireland held in Dublin on June 14. Also present were Messrs. T. C. Scott (vice-president), J. Gleeson (treasurer), P. C. Cahill, G. C. O'Neill, N. A. McKane, R. Daly, M. Power and H. P. Corrigan, Senator F. Loughman and Messrs. T. B. O'Sullivan, P. Brooke-Kelly, P. F. McGrath, C. J. Cremen, A. P. Toher, J. P. Kissane, M. Costello, and J. A. O'Rourke.

### Tribute to the Late Mr. F. X. Meagher

THE REGISTRAR (Mr. James G. Coleman) formally reported on the death of Mr. Francis Xavier Meagher, M.P.S.I.

Before proceeding with the ordinary business, the PRESIDENT asked the Council to join with him in passing a vote of sympathy with the widow and family of the late Mr. F. X. Meagher. Mr. Meagher had been present at the previous Council meeting only a month ago, said the president. He had taken a keen interest in the work of the Council and had been one of its ablest members. Mr. Brady said that it had been his privilege to know Mr. Meagher both socially and in business for a great number of years as a man who had set himself a high standard. Not only would he be greatly missed at the Council table, but Irish pharmacy as a whole had suffered a grievous loss. Both in Council and in committee Mr. Meagher had spoken only after careful deliberation, and with authority behind everything he said. Members of the Council then rose and, in silence, passed a vote of sympathy with Mrs. Meagher and her family.

A letter from Dr. T. P. C. Kirkpatrick (registrar of the Royal College of Physicians) stated that, in accordance with the request of the Council, a resolution had been passed by the president and fellows of the College requesting the Minister for Justice to have placed on the poison schedules the preparations recommended by the Council. [The Council had requested that all preparations, or admixtures, or other substances containing 0.05 per cent. or more of strychnine, should be placed in Part I of the poison schedule; and that all preparations, or admixtures, or other substances containing not more than 1.5 per cent. of codeine (calculated as alkaloid) associated with any other medicinal sub-

stance should be placed in Part II of the poison schedule.]

The reports of the House, Law and Schools Committees were submitted and approved.

The licence certificates of the following were signed and sealed: The Misses E. Dillon, A. M. Kelly, E. MacNamar, M. M. A. O'Flynn, A. M. O'Rourke, S. M. Walsh; and Messrs. E. B. Corbett, J. de Loughry, T. K. O'Keefe, M. Pennington, J. O'Riordan and H. N. Scroope.

The following changes of address were notified:—Miss E. Ryan, L.P.S.I., to Lower Mountown, Dun Laoghaire, co. Dublin; Mr. C. O. Greene, L.P.S.I., to the Medical Hall, O'Curry Street, Kilkenny, co. Clare; Mr. P. J. Morgan, M.P.S.I., to 40 Clarendon Street, Dublin.

### New Members

Messrs. M. J. Fahy, J. T. Foley and T. Cahill were elected members of the Society. The following were nominated for membership:—Mr. J. F. Harnett, L.P.S.I., Killarney; Miss E. Ryan, L.P.S.I., Dun Laoghaire; Messrs. M. Moloney, L.P.S.I., Limerick, C. C. Greene, L.P.S.I., Kilkee; and J. Roche, L.P.S.I., Dublin, Miss N. M. Kennedy, L.P.S.I., Roscommon, and Mr. H. N. Scroope, Nenagh.

### Penicillin for Veterinary Use

A report was read from Mr. John J. Gaynor (law adviser) on the question of whether penicillin veterinary cerate was covered by the requirements of the Penicillin Act or of the Therapeutic Substances Act. A letter addressed by the Council to Mr. Gaynor on May 11 said members had argued that the preparation was not an injection in the technical meaning of the word as it was inserted into a cow's teats by squeezing the contents of a collapsible tube, and therefore could be considered a local application. Normally an "injection" implied a means of introducing a medicament into the blood stream, muscular tissue or spinal fluid, etc., into a part of the body normally without direct access. The law adviser, at the outset of his report, cited the relevant sections of the Therapeutic Substances Act, 1932, and said he assumed that the substance he was dealing with was a derivative of *Penicillium notatum*. An important difference, he stated, must be

oted in the Irish Order as compared with that affecting Great Britain (S.R. O., 1946, No. 467), in which the following was added at the end:—" . . . being in acid, salt, or derivative, or a solution thereof, prepared for parenteral injection." No such limitation was contained in the Irish Order. "I am therefore of opinion," said Mr. Gaynor, "that on the assumptions which I have made in this report the article referred to is controlled by the Therapeutic Substances Act, 1932, and the regulations made thereunder."

### "An Important Issue"

MR. BROOKE-KELLY said that, in his view, all such matters should be discussed and determined by representatives from the different learned bodies connected with medicine and not left to the decision of the Minister. MR. KISSANE said that the whole matter arose out of the wholesalers' restriction, at the instance of the Department of Agriculture, of the sale of penicillin veterinary cerate to veterinary surgeons. The order to import the cerate had been made by the Minister for Health, and he urged that the Council should send a deputation to the Minister asking him why he had caused the sale of the preparation to be restricted to veterinary surgeons. As chemists, members were not interested in the using of the preparation but, under their qualification, they were entitled to stock and sell it. The whole matter raised an important issue which chemists must follow up.

MR. MCKANE said all the trouble had arisen over enabling clauses giving powers to Ministers. MR. O'ROURKE thought there was a case to show interference with the rights guaranteed under the constitution. MR. DALY said there was nothing in Mr. Gaynor's report to indicate that the Minister had any power to control the retail sale of the product. MR. CAHILL (the Council's representative on the Therapeutic Substances Committee) said he did not recall that the committee had ever been asked any question other than whether or not a substance was "a therapeutic substance."

### Minister's Authority Questioned

MR. CREMEN doubted whether any Minister had the right to attach to an importation licence any condition dealing with distribution. SENATOR LOUGHMAN thought the Minister had no power to control distribution. MR. GLEESON suggested that

the Council should ascertain what were the Minister's powers. MR. BROOKE-KELLY considered that pharmaceutical chemists had the right to deal with every preparation included in the British Pharmacopœia. MR. MCKANE said the Minister could not be allowed to ignore chemists' rights. MR. CREMEN said that if the suggestion was that chemists had no right to sell penicillin or injections, it cut across the whole qualification. THE PRESIDENT thought that the Council, before doing anything else, should get a definite answer from Mr. Gaynor as to whether the Minister could impose conditions regarding retail sale. SENATOR LOUGHMAN said he thought the Minister for Agriculture, rather than the Minister for Health, was responsible for the present restriction. MR. SCOTT asked whether, if an Irish firm made the preparation and offered it for sale, the Minister could stop chemists from selling it. MR. CAHILL said a manufacturer would have to get a licence to manufacture, and the Minister might attach a distribution restriction. MR. O'ROURKE said the Department of Agriculture had coerced the wholesalers into giving an undertaking that was not part of the licence.

### Deputation to Minister

MR. MCGRATH said he did not think it was a question of legality, but rather that the Department of Agriculture wanted to bring the preparation into the country and control it through veterinary surgeons. The Department of Health was not in the least concerned, and merely wished to do what the Department of Agriculture asked. He thought an application to the Department of Health should be successful. It was unanimously agreed to send to the Minister for Health a deputation consisting of the president, the president of the Irish Drug Association (Mr. J. J. Roche), and Messrs. Kissane and McKane.

### Discussion on Education

The Council then went into committee and discussed at length a detailed report from the Education Committee dealing with proposed changes and revisions.

At a meeting of the Benevolent Fund Committee held at the close of the Council meeting, grants to the value of £68 were passed for payment. The thanks of the Council were extended to the Irish Chemists' Golfing Society for a donation of £5 5s. to the Fund.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

### 28 Essex Street, W.C.2, June 22

THE markets for PHARMACEUTICAL and FINE CHEMICALS are little changed on the week and no price alterations have been notified. A good demand is being received for ASPIRIN and CITRATES from overseas buyers. Home sales of BISMUTH SALTS have fallen off in recent weeks, since the introduction of the National Formulary, 1949; it is understood that all salts are in plentiful supply. Lower prices are announced for a number of industrial SOLVENTS, and it is understood that reductions in the prices of ACETIC ACID and ACETIC ANHYDRIDE will follow shortly. These reductions may be reflected, in due course, in quotations for some products.

The principal feature of the CRUDE DRUGS market has been ERGOT; all supplies on the spot have been cleared at 8s. 3d. per lb. Shippers concur that the Portuguese new crop of ergot is a failure, and are asking prices from 8s. to 10s. per lb., c.i.f., for the remainder of old-crop supplies. U.S. shippers are offering new-crop CASCARA SAGRADA at about 140s. per cwt., c.i.f., but no business is reported. A parcel of GRINDELIA, for processing for export, is offered at 1s. 10½d. per lb., duty paid. Good-quality Alexandrian SENNA PODS, in short supply on the spot, are in good request. Reports from India say that the wet-crop harvest for Tinnevely sennas has now commenced, although, owing to exceptionally heavy rains, bulk arrivals are not expected in the Indian market until the end of June or early July. Shippers' prices are high, prime bold Tinnevely leaves, for example, are 1s. per lb., c.i.f., while the best hand-picked pods are quoted at 1s. 3½d., c.i.f. In other sections of the markets, rather higher prices are asked for Sumatra BENZOIN on spot. Kordofan GUM ACACIA is dearer forward. TRAGACANTH, selected white ribbon, is firmly held at the higher spot price of £90 per cwt. MENTHOL prices are unchanged. ESSENTIAL OILS have attracted a routine inquiry. Supplies of Ceylon CITRONELLA on the spot are small and the market is firmer. With an absence of forward offers of LEMONGRASS, the spot quotation is dearer by 1s. per lb.

### U.S. Drug and Chemical Report

New York, June 17

DEMAND generally for PHARMACEUTICAL and FINE CHEMICALS is lower than at the corresponding period of last year. One producer is to increase prices of ALCOHOL by 10 cents per gall. from July 1, and it is expected that other makers will also increase prices in the near future, which will halt the downward tendency in prices of derivatives and other solvents. Although

the market for ACETIC ACID, ACETON ETHYL ACETATE, BUTYL ALCOHOL and several other chemicals is expected to be firmer, no price increases are anticipated. MENTHOL prices are in the region of \$1 to \$11.25 per lb., but it is reported that business has been done at as high as \$1 per lb. It is estimated that there is about 100 tons of menthol in New York, sufficient to cover domestic requirements for six months; the heavy consuming season is almost that length of time ahead. In the CRUDE DRUGS markets, CASCARA SAGRADA is showing an easier trend, with spot goods offered at 28 cents to 30 cent per lb. PAPAIN is in good request and firmer market is anticipated. There is good spot request for VALERIAN but supplies are small. Jamaican GINGER is reported selling from 1½ to 2 cents per lb. lower than the African product. CUMIN SEED is a very firm market but Turkish arrivals next week should alleviate a spot shortage. Prices of GUM TRAGACANTH have fluctuated recently, with business done in No. 1 grade at up to \$3.50 per lb. Holders of CHAMOMILE FLOWERS have been accepting bids somewhat lower than their recent quotations. In the ESSENTIAL OIL markets, most sections have been quiet with prices unchanged. GERANIUM has declined from \$12 to \$11.75 per lb. Distilled LIME has increased in price from \$2.50 to \$3.50. LEMONGRASS is understood to be firm.

### Pharmaceutical Chemicals

ADRENALINE.—B.P. is quoted from 3s. to 3s. 6d. per gm. for natural and 2s. to 2s. 6d. for synthetic; racemic, 2s. per gm.

AMMONIUM CHLORIDE, B.P. — Steady. Makers quote 1-cwt. lots at 9½d. per lb.

ASPIRIN.—In good request. Home-trade price for POWDER is 3s. 5½d. per lb. in 10-cwt. lots and 3s. 7d. per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: 4s. 6d. (1-lb. containers); 4s. 5d. (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-lb.); 4s. 3d. (14-lb.); 4s. 2d. (28-lb.). Net one month. Rates per 1,000 for bulk supplies of TABLETS are: Under 5,000, 3s. 9d.; 5,000 and over, 3s. 7d.; 10,000, 3s. 6d.; 25,000, 3s. 4d.; 50,000, 3s. 3d.; 100,000, 3s. 2d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.; 1,000,000, 3s.

BARBITONE. — Base and soluble are offered at prices from 42s. to 44s. per lb.

BENZYL BENZOATE. — British makers offer B.P. grade at from 4s. 3d. to 5s., per lb., as to quantity.

BETANAPHTHOL.—Makers quote prices from 2s. 9½d. to 3s. 1½d. for B.P. quality packed in 28-lb. packages.

**CHLORAL HYDRATE.** — Current rates per cwt. for the home trade are: 1-cwt., lots, 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

**CREAM OF TARTAR.** — Business continues on a moderate scale with prices unchanged. Makers' rates for the home trade are: 10 cwt. lots, 148s. per cwt.; 5-10 cwt., 149s.; less than 5 cwt. and more than 2 cwt., 150s.; 1-2 cwt., 152s., delivered.

**GLYCEROPHOSPHATES.** — Makers' list prices per lb. are as follows: **CALCIUM SOLUBLE**, 10s. 6d.; **IRON SCALE**, 11s. 9d.; **ACID**, 20 per cent. (B.P.C.), 8s. 3d. **MAGNESIUM (INSOLUBLE)**, 10s.; **MAGNESIUM SOLUBLE**, 19s. 3d.; **MANGANESE**, 24s. 3d.; **POTASSIUM**, 50 per cent., 5s. 11d.; 75 per cent., 7s. 9d.; **SODIUM**, 10s. 9d.; 50 per cent., 4s. 7d.; 75 per cent., 5s. 8d. Quantities of 7 lb., 6d. per lb. less than above rates; other quantities in proportion.

**HEXYLRESORCINOL.** — B.P.C. material is quoted at from 180s. to 185s. per lb.

**HYDROCYANIC ACID.** — B.P.C. (Scheele's) is quoted at 1s. 5½d. per lb. and B.P. at 1s. 1½d. per lb.

**HYDROQUINONE.** — Bulk rates are as follows: 10 cwt., 9s. 6d.; 5 cwt., 9s. 9d.; 1 cwt., 10s.; 28 lb., 11s.; 14 lb., 11s. 3d. 7 lb., 11s. 6d. per lb. Carriage paid in U.K.

**HYOSCINE HYDROBROMIDE.** — Makers' prices are from 115s. to 125s. per oz., according to quantity.

**HYPOPHOSPHITES.** — Makers' rates per lb. for 7-lb. lots are: **AMMONIUM**, 9s. 3d.; **BARIUM**, 6s. 3d.; **CALCIUM**, 4s. 11d.; **IRON**, 9s. 4d.; **MAGNESIUM**, 7s. 9d.; **MANGANESE**, 8s. 5d.; **POTASSIUM**, 6s. 1d.; **SODIUM**, 5s. 7d.

**ICHTHAMMOL.** — Prices are from 3s. 8d. to 4s. 6d. per lb., according to quantity.

**PHENOBARBITONE.** — Current quotations for 28-lb. lots are at 36s. 6d. per lb. The sodium derivative is available at the same price as the base.

**PHENYTOIN SODIUM.** — Quotations for small quantities are at about 35s. per lb.; the base is available at the same price.

**PROCAINE HYDROCHLORIDE.** — Prices range from 50s. to 53s. per lb., as to quantity.

**PYROGALLIC ACID.** — Quotations for crystals are: 1 cwt., 18s. 6d. per lb.; 56 lb., 19s.; 28 lb., 20s. **RESUBLIMED** is 22s. 3d. per lb. in 1-cwt. lots; 56-lb., 22s. 9d.; other quantities in proportion.

## Solvents

REDUCED prices are announced for a number of solvents, with effect from June 13. Prices per ton, for 10-ton lots, are now as follows: — **AMYL ACETATE** (technical), £171 10s.; **BUTYL ACETATE**, £149 10s.; **BUTYL ALCOHOL** (SECONDARY), £120; **ETHYL ACETATE**, £103 10s.; **METHYL ETHYL KETONE**, £100; **METHYL ISOBUTYL CARBINOL**, £145; **METHYL ISOBUTYL KETONE**, £140. The price of **BUTYL ALCOHOL** was reduced on June 1 to £145 per ton (10-ton lots).

## Crude Drugs

**AGAR.** — Quiet. Kobé strip from 13s. 6d. to 15s. per lb., according to quality. South African powder, in tins in cases, is offered at 18s. per lb., spot.

**ALOES.** — A moderate trade in prime Cape which is offered at from 110s. to 115s. per cwt. on the spot; shipment, 105s., c.i.f. Curacao is quoted at 185s. per cwt. on the spot and Socotrine at 170s.

**ARECA NUTS.** — Ceylon on the spot is quiet at about 57s. 6d. per cwt.

**ASAFETIDA.** — Persian block on spot is steady at prices from £14 10s. to £24 per cwt., according to grade.

**BALSAMS.** — *Canada* on the spot is offering at from 15s. 6d. per lb.; new-crop, available end July, is quoted at 12s. 6d., landed. *Pará Copaiba*, B.P., 6s. per lb., on the spot. *San Salvador Peru*, 4s. 9d. per lb., duty paid. *Tolu* on the spot is 9s. 9d. per lb.; shipment, 9s. per lb., c.i.f.

**BELLADONNA.** — Jugo-Slav root is quoted at from 3s. 9d. to 4s. 6d. per lb., duty paid, as to test; shipment, 3s., c.i.f. Jugo-Slav leaves (B.P.) are offered at 4s. 2d., duty paid, English leaves are offered at 4s. 9d. (0.546 per cent.) per lb.

**BENZOIN.** — Most of the cheaper offers of Sumatra block on the spot have been sold and prices now range from £16 10s. to £18 per cwt., as to quality. Sumatra free almonds are quoted at £45 per cwt. For Siam block (small almonds), £118 per cwt. is asked.

**BISMUTH.** — Metal is quoted at 10s. 6d. per lb., net, in minimum lots of 5 cwt.

**BLACK HAW.** — Root bark is offered at 4s. 6d. per lb., duty paid; tree bark, 3s. 3d., duty paid.

**BUCHU.** — New-crop short rounds, on the spot, 3s. 8d. to 3s. 9d. per lb.; forward, 3s. 5d. per lb., c.i.f.

**CALABAR BEANS.** — Steady. Spot quotations are from 10½d. to 11d. per lb.

**CAMPHOR.** — Steady. Chinese tablets are offered at from 7s. 6d. (½-oz.) to 7s. 9d. (¼-oz.) per lb.; refined natural powder (B.P.), 6s. 3d. to 6s. 6d.; slabs (2½-lb.), 7s. 3d., spot, London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb. and technical at 3s. 9d. per lb., in 100-lb. lots.

**CANTHARIDES.** — Quiet. Chinese on spot are steady at 7s. per lb.; from origin, prices are 4s. per lb., c.i.f.

**CARDAMOMS.** — A parcel of Aleppy seeds on the spot is offering at 13s. 9d. per lb.

**CASCARA SAGRADA.** — Parcels of 1947 and 1948 bark on the spot are offered at from 160s. to 170s. per cwt., duty paid; U.S. new peel is offered from source at 140s. per cwt., c.i.f., but no business is reported at this price.

**CASCARILLA.** — Quills are quoted at 1s. 5d. and siftings at 1s. 3d. per lb., spot.

CASSIA PODS (*C. fistula*).—East Indian, recently landed, is quoted at 62s. 6d. to 65s. per cwt., ex wharf London.

CINCHONA.—Congo bark (*succirubra*) is quoted at from 2s. 5d. to 2s. 6l. per lb.; Tanganyika hybrid, from 2s. to 2s. 6d. per lb., ex wharf.

CLOVES.—Zanzibar, spot, unchanged at 1s. 1½d. per lb.; June-July shipment, 1s. 1d., c.i.f. Madagascar, in bond, 11d.; shipment, 10½d., c.i.f. Penang, spot, 3s.

COCHINEAL.—Silver greys on spot are quoted at 4s. 2d. per lb.; blacks, 4s. 9d.

COCOA BUTTER.—Maximum controlled price is 4s. 4½d. per lb., delivered.

COLCHICUM.—Corms on the spot are offered at from 5s. to 6s. per lb., as to test; seeds (testing 0.6 colchicine) are offered ex wharf at 13s. per lb.

COLOCYNTH.—White pulp (B.P.) on spot is quoted at 2s. per lb.

DIGITALIS.—English leaves, from 2s. 3d. per lb.; powder, B.P., 5s. 9d. per lb. Inquiry is lacking.

DRAGONS BLOOD.—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £50 per cwt.

ELEMI.—Quiet. Manila No. 1 gum is valued at about 2s. per lb., spot London.

GALANGAL.—Supplies in bond are offering at 97s. 6d. per cwt.

GALLS.—Steady. Persian blues quoted on spot at 260s. per cwt.

GAMBOGE.—Siam pipe is offered at £45 per cwt., duty paid; powder, 11s. per lb.

GENTIAN.—French natural is quoted at 67s. 6d. to 70s. per cwt. on the spot.

GINGER.—African, on the spot, is now 165s. per cwt.; shipment, 165s., c.i.f. Jamaican, No. 1, is quoted at 190s. per cwt., spot; No. 2, 185s., spot; No. 3, 180s., spot, and 175s., c.i.f.

GUAIACUM RESIN.—Steady. Quoted from 2s. 4½d. to 2s. 6d. per lb., spot.

GUM ACACIA.—A fair spot business passing. Kordofan cleaned sorts, on the spot, offering at 62s. 6d. per cwt.; shipment, 60s., c.i.f. Bleached No. 1, 125s., spot; to arrive, 115s., c.i.f. Talha, on spot, 48s. per cwt.; forward shipment, 38s. per cwt., c.i.f.

HENBANE.—B.P. herb (*niger*) on spot, 4s. 3d. per lb. Egyptian material (*muticus*) at origin at 95s. per cwt., c.i.f.

HENNA.—Sudanese green leaves are offered at 95s. per cwt., spot; at origin, 85s. per cwt., c.i.f. Indian leaves on spot, 80s. per cwt.; powder, 1s. 5d. per lb., spot. Only a small inquiry.

HYDRASTIS.—Quotations are from 30s. to 35s. per lb., ex wharf, London; supplies for processing for export are 23s. to 24s. per lb., spot.

JALAP.—Vera Cruz, spot, 2s. 6d. to 3s. per lb. as to test. (10 to 15 per cent. resin). Brazilian (13 per cent.), 1s. 6d., nominal.

LANOLIN.—B.P. anhydrous is £120 p ton; hydrous, £100. Superfine anhydrous quoted at £126 per ton.

LEPTANDRA ROOT.—Spot supplies are offering at 3s. 3d. per lb.

LIQUORICE.—Anatolian natural root, spot, from 45s. to 47s. 6d. per cwt. Syrian, 40s.; Russian, 45s. 6d. to 46s. Italian block on spot, 160s. per cwt. Italian stick, 295s. to 560s. per cwt., as to grade. Turkish block, 210s. to 220s. per cwt.; Turkish stick, 300s.; America block, 150s.

LOBELIA.—Spot quotations are from 4s. to 4s. 3d. per lb.

MACE.—West Indian blade is quoted at 6s. per lb. on the spot; prices of picking are from 2s. 6d. to 4s. 6d., as to quality.

MALE FERN.—A parcel on spot (3.02 per cent. filicin) is offering at 65s. per cwt.

MASTIC.—Small tears (No. 2) are offering at from 13s. per lb., spot.

MENTHOL.—Firm. Brazilian on the spot is quoted at 62s. 6d. per lb., duty paid in bond, 60s. per lb. Imports in May totalled 3,841 lb., valued at £7,591.

MERCURY.—Ex warehouse, £18 10s. per flask; shipment, £17 17s. 6d., c.i.f. U.K.

OLIBANUM.—Steady. Fair drop is offered at 150s., plus at 190s., fair garblings, 125s., and siftings at 80s. per cwt. Inquiry for No. 1 white, but no offers.

ORANGE PEEL.—Bitter quarters on spot are in few hands; nominal quotations are at 1s. 3d. per lb., duty paid, and 1s. 1d. in bond. Thin-cut Tripoli, 1s. 3d., spot.

ORRIS.—Florentine root on the spot is offered at 115s. per cwt.

PAPAIN.—East African, on the spot, is offered at 13s. per lb.; Ceylon brown quoted at 10s. per lb., spot.

PIMENTO.—Spot quotations are at 1s. 1½d. per lb; to arrive, 119s. per cwt. c.i.f.

PODOPHYLLUM.—Indian (*emodi*) is on offer at from 285s. to 315s. per cwt., ex wharf, as to resin content; American (*pelatum*), 250s. to 260s., duty paid.

PSYLLIUM SEED.—French black is quoted at 2s. per lb., duty paid; Indian (*ispaghula*), 120s. per cwt., spot.

QUASSIA.—Jamaican chips on the spot are quoted at from 30s. to 35s. per cwt.

QUILLAIA.—Natural bark on the spot is quoted at from 92s. 6d. to 95s. per cwt.; cut bark, 125s. per cwt., crushed, 120s.

QUINCE SEED.—Cape on the spot is offered at from 3s. 6d. per lb.

RHATANY.—Quiet. Spot quotations are unchanged at 9d. per lb.

RHUBARB.—Chinese rough-round, two-thirds pinky fracture, is quoted at 5s. 3d. to 5s. 6d. per lb., duty paid. A lower grade of sound root is offering at 4s. 9d. per lb., duty paid. A firm market.

SANDARAC.—Spot quotations are at 8s. 6d. per lb.; to arrive, 5s. 4d., c.i.f.

SEEDS.—Cyprus ANISE is unchanged at 50s. per cwt., spot London; Turkish offered at 140s. per cwt., in bond, spot London. CELERY.—Indian is in poor demand at 1s. per lb., spot London. CORINDER.—Morocco continues a firm market, 7s. 6d. per cwt., in bond London, is now quoted; Argentine remains quiet at 27s. 6d. per cwt., duty paid, spot London. CUMIN.—Cyprus on spot is reported sold at 150s. per cwt.; Indian is in poor demand, 150s. per cwt., spot London, now quoted. DILL.—Indian is now quoted 50s. to 52s. 6d. per cwt., spot London. FENNEL.—Indian is in short supply. Sellers are now quoting 70s. per cwt., spot London. FENUGREEK.—Market remains firm. Indian on spot in London offered at 57s. 6d. per cwt.; Morocco is 5s. per cwt., duty paid, in London.

SENEGA.—Spot quotations for old-crop are at 6s. 6d. per lb.; new-crop, July-August shipment, is offered at 5s. 9d., c.i.f.

SHELLAC.—F.O.T.N., pure, is quoted at 30s. per cwt., ex warehouse London; F.O. standard 1, 355s., nominal; fine orange, 380s. to 410 per cwt.

SQUILL.—Italian fair white on spot is offered at 52s. 6d. per lb.

STRAMONTIUM.—Quiet. Indian on spot offered at 55s. per cwt.; Hungarian, 0s., spot.

STROPHANTHUS.—Kombé, 100 per cent., quoted at 12s. 3d. to 12s. 6d. per lb., spot. Supplies are low.

TONKA BEANS.—Trinidad, spot, 6s. 9d. per lb.; Angostura, 8s., spot.

TURMERIC.—A firmer market. Spot quotations are from 112s. 6d. per cwt.; for shipment, 102s. 6d., c.i.f.

VALERIAN.—Belgian natural is offering at 1s. 7d. to 1s. 8d. per lb., spot; cut and cleaned, 1s. 9d. per lb.

WAXES. — A moderate spot inquiry. BEES'.—Dar-es-Salaam, offered at 335s. per cwt., spot; July-August shipment, 27s. 6d., c.i.f. Sudanese, in bond, is 10s.; June-July shipment is offered at 95s., c.i.f. Lindi is quoted at 330s. per cwt., spot; June-July shipment is dearer at 327s. 6d., c.i.f. Benguela is 305s. per cwt. in bond; June-July shipment, 275s., c.i.f. CANDELILLA.—Spot quotations are easier at 285s.; July shipment 270s. per cwt., c.i.f. CARNAUBA.—Prime yellow is steady at 685s. per cwt., spot; shipment, 10s., c.i.f. Fatty grey, on spot, is 445s. per cwt.; shipment, 430s., c.i.f. Chalky grey is quoted at 440s. per cwt., spot; no shipment offers. MONTAN.—Reibek is easier at 190s. per cwt., spot; forward, 80s., c.i.f. OURICURI.—99.5 per cent. is quoted at 420s., c.i.f. Spot quotations for 5 per cent. are at 425s. per cwt.; 2 per cent., shipment, is offered at 410s., c.i.f.

## Essential and Expressed Oils

ALMOND.—Sweet oil, B.P., is offering on the spot at from 4s. to 4s. 6d. per lb. Bitter oil is quoted at from 27s. 6d. to 60s. per lb., as to grade.

CITRONELLA. — Ceylon on the spot is offered at from 4s. 3d. per lb.; 4s. 1d., c.i.f. Java is from 8s. 6d. to 8s. 9d. per lb., spot. Forward offers, June-July, 6s. 10½d. per lb.

EUCALYPTUS.—Spot quotations for 70-75 per cent. (B.P.) are from 2s. 9d. to 3s. per lb. for drums and up to 3s. 6d. for smalls.

LEMONGRASS. — Spot quotations are at 8s. 6d. per lb., no offers forward.

LIME.—West Indian on spot is firm at from 36s. to 37s. 6d. per lb. upwards.

NUTMEG.—Prices of English-distilled oil are at 35s. to 37s. 6d. per lb.; second-grade, 25s. per lb.

ORANGE. — West African sweet on the spot is offered at about 6s. 6d. per lb. Italian sweet is quoted at from 18s., duty paid; Italian bitter, from 13s., duty paid.

PEPPERMINT.—English-distilled "Mitcham" oil is offered at 200s. per lb.

PIMENTO BERRY. — English-distilled oil, from 55s. to 65s. per lb. and upwards as to quantity and grade.

PINE. — *Pumilionis*, about 16s. to 17s. per lb., spot; *sylvestris*, from 8s. 6d. to 10s.

PINE NEEDLE.—Supplies on spot are offered at 12s. 6d. to 15s. per lb., for first-grade oil.

SANDALWOOD. — Mysore oil on spot, from 63s. to 73s. per lb.; English-distilled is about 75s. per lb.

SASSAFRAS.—Brazil on spot is quoted at from 4s. 6d. to 5s. 3d. per lb.

TEASEED.—Prices of refined oil on the spot are now at 25s. 6d. per gall.

TI-TREE.—Quotations are from 6s. 6d. to 7s. per lb., according to quantity.

VETIVERT.—Bourbon on spot is quoted at from 65s. to 70s. per lb., as to grade.

YLANG YLANG. — Bourbon, 60s. to 70s. per lb., as to grade and seller.

THE National Edible Oil Distributors' Federation rates, for all areas except Devon and Cornwall, are as follows: GROUNDNUT, MAIZE, COTTONSEED, SUNFLOWER - SEED 127s. 6d. per cwt., 10s. 5d. per imperial gall., 10s. 3d. per approximate gall.; PALM-KERNEL, 126s. 6d. per cwt., 10s. 4d. per imperial gall., 10s. 2d. per approximate gall. The prices are for oils packed in cans. The price of oil in barrels is as follows: On loan, 1s. per cwt. below the ½-cwt. can price; free, 3s. per cwt. below the ½-cwt. can price, plus the cost of container. Devon and Cornwall rates for oils are 2s. per cwt. or twopence per gall. more than those for other areas, and the cwt. prices are based on ½-cwt. loan taper cans.

## TRADE MARKS

(From the "Trade Marks Journal," June 8)

- "FEATASOL"; by Featly Products, Ltd., Manchester; 673,247. For synthetic resins (1).
- "VERNAK"; by Tone Pharmaceuticals, Ltd., Taunton; 674,062. For sensitised photographic films (1).
- "RIXERAY"; by Rix Ray Co., Aberdeen; 673,992. For non-medicated toilet preparations (3).
- "KALMOPYRIN"; by Gedeon Richter (Gt. Britain), Ltd., London, N.W.5; 665,349. "VIV"; by Viv Pharmaceuticals, Ltd., Winchester; B667,153. "PHENERGAN"; by May & Baker, Ltd., Dagenham; 669,030. Design based on the circulation of the system; by Vita Longa Healing Herbs, Ltd., London, W.1; 671,450. "DIOBASE"; by Lewis & Melchior, Ltd., London, N.W.4; 671,047. For pharmaceutical preparations (5).
- "FLACEDIL" and "FLAXEDIL"; by May & Baker, Ltd., Dagenham; 674,270-71. For all goods (5).
- "WIRAKILLA"; by George Monro, Ltd., Waltham Cross; 674,361. For vermicides (5).
- "IRIDEX"; by Ronald Smith, Hull; 669,016. For soap dishes, tooth-brush racks, etc. (21).
- "JACKDAW" in distinctive lettering, and jackdaw; by James Hilton & Son (Leigh), Ltd., Leigh, 669,769. For combs, shaving pots, etc. (21).

(From the "Trade Marks Journal," June 15)

- "MINIVAL"; by The British Drug Houses, Ltd., London, N.1; 673,902. For industrial chemicals (1).
- "RAYOL"; by Joseph Crosfield & Sons, Ltd., Warrington; 670,184. For non-saponaceous detergents (3).
- "LUSTRENE"; by Kempac, Ltd., Batley; B670,325. For non-saponaceous shampoos in liquid form (3).
- "RELAXOL"; by Macdonald Waving, Ltd., London, N.W.10; 672,605. "THREE CITIES"; by Cavalcade Beauty Preparations, Ltd., London, S.W.3; 674,228. "SEABOARD"; by Coty (England), Ltd., London, W.1; 674,370. For non-medicated toilet preparations (3).
- "SO-BUB"; by Synsap, Ltd., North Ormesby; 672,896. For soaps and detergents (3).
- "DIRPELLA"; by Fitchetts, Ltd., Birmingham; 673,807. For soaps (3).
- "GLENOL"; by A. Goldrei & Co., Ltd., London, S.E.1; 679,137. For detergents (3).
- "CASEC" in distinctive lettering; by Mead, Johnston & Co., Evansville; 657,959. "JELVITE"; by The British Drug Houses, Ltd., London, N.1; 668,856. "AMANICYL"; by A. Wander, Ltd., London, S.W.7; 670,639. "BEECHAM'S"; by Beechams Pills, Ltd., St. Helens; 672,353. "RAYMOIDS"; by Raimes & Co., Ltd., Micklegate; 673,440. "INTRABIS"; "MERCUPURIN" and "SURPARIL"; by The Crown Chemical Co., Ltd., Lamberhurst; 674,444, 674,446 and 674,448. For pharmaceutical preparations (5).
- "BONIVAGAN"; by The Crown Chemical Co., Ltd., Tonbridge; 659,064. For veterinary preparations (5).
- "CELLOGEN"; by Lehn & Fink Products Corporation, Bloomfield; 659,465. For medicated toilet cream (5).

- "EN-Ess"; by Morrisons & Ralph, Ltd., Barrhead; B663,806. For sanitary towels (5).
- "PHANTETTE" and "PHANTEX"; by the Sportu Supplewear Co., Wigston; 665,857 and 666,196. For menstruation appliances and sanitary clothing (5).
- "SPRATT'S PURR-PUSS" in distinctive lettering; by Spratt's Patent, Ltd., London, E.3; B666,832. For medicinal powders for cats (5).
- "CHEVRON"; by Berry Wiggins & Co., Ltd., London, E.C.4; 668,427. For disinfectants, and vermin and weed destroying preparations (5).
- "JARVIE"; by H. Jarvie & Co., Ltd., Coatbridge; B668,510. For quinine (5).
- "FERN-It" in distinctive lettering; by Arthur John Smith, Christchurch; B671,929. For wood-worm-destroying preparations (5).
- "S.P.H.P."; by British Glandular Products, Ltd., London, S.W.1; B672,580. For tonic medicines (5).
- "MINODIN"; by Dae Health Laboratories, Ltd., London, W.1; 672,580. "PILICON"; by W. B. Cartwright, Ltd., Rawdon; 674,592. For all goods (5).
- "COLTAPASTE"; by T. J. Smith & Nephew, Ltd., Hull; 673,390. For bandages, surgical dressings, etc. (5).
- "KRISPINE"; by P.A.C. (Chemicals), Ltd., Manchester; 674,468. For disinfectants containing pine oil (5).
- "SALAGRAPH"; by the Superheater Co., Ltd., London, S.W.1; 669,428. For instruments and apparatus for testing, measuring or recording the physical or chemical properties of solids, liquids and gases (9).
- "CERTOR"; by Macdonald & Son, Ltd., Manchester; 671,902. For thermometers (9).

## COMING EVENTS

### Tuesday, June 28

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, and SOUTH-EAST LONDON ASSOCIATIONS, Grove Tavern, 26 Camberwell Grove, London, S.E.5, at 7.30 p.m. Annual meetings.

### Wednesday, June 29

EDINBURGH CHEMISTS' GOLF CLUB. Fixture at Newbattle. Bogey match against J. F. Macfarlan & Co., for D. Brown medal, and competition for T. & H. Smith prize.

### Thursday, June 30

LONDON CHEMISTS' GOLFING SOCIETY. Fixture at Moor Park Golf Club (Telephone: Rickmansworth 3146).

### Monday, July 4

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library Hall, Beckenham, at 8 p.m. Annual meeting.

The twenty-first annual CITY AND HOSPITALS CHARITY ATHLETIC CONTEST is being held at the University of London Athletic Ground, Motspur Park, Surrey, on Saturday, July 9, commencing at 3 p.m. Tickets (1s. 6d. each) from the secretary (Mr. H. A. Johnston), 3 Lime Street, London, E.C.3.



## When you have a 'family' business

... you are regarded by your public as something more than a chemist. From a bewildering range of proprietary names you are able to advise your customer which is the most suitable and reliable product to meet his personal need.

Many of the minor ailments encountered these days are due to Vitamin B<sub>1</sub> deficiency: anorexia, lassitude, "neuralgia" and similar conditions often respond to B<sub>1</sub> therapy.

There is a tendency, especially among housewives, to supplement rations with quantities of starchy food. Vitamin B<sub>1</sub> is essential for the full "utilisation" of carbohydrate, and lack of it may result in unhealthy obesity.

In such cases, when a palatable, liquid Vitamin B<sub>1</sub> preparation is indicated, you cannot do better than recommend 'Betaxan' Elixir. It is particularly suitable for slight deficiency of the vitamin in children.

## 'BETAXAN' ELIXIR

BRAND OF ANEURINE HYDROCHLORIDE



Trade Terms: Bottle of 8 oz. 3/-, Bottle of 80 oz. 24/-  
subject to 33 $\frac{1}{3}$ % discount. Bonus of 13 to dozen for display.

**BAYER PRODUCTS LIMITED**  
AFRICA HOUSE · KINGSWAY · LONDON · W.C.2

# Liquid Paraffin White Oils and Petroleum Jellies

Further information, samples and quotations on request to Dept.PA.1.

**PUREMOR LTD**

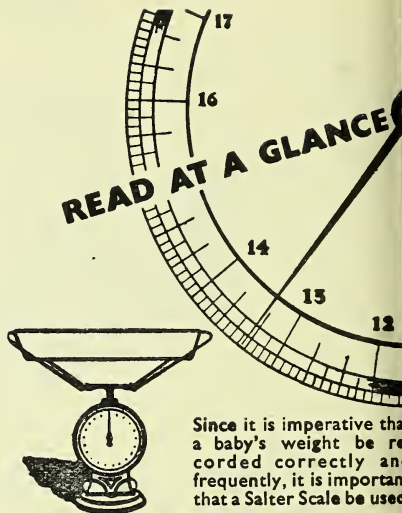
*Distributors for*

**MANCHESTER  
OIL REFINERY  
LIMITED**

**M·O·R GROUP OF COMPANIES**

**Twining Road, Trafford Park  
Manchester 17**

**BRITISH REFINED OILS**



Since it is imperative that a baby's weight be recorded correctly and frequently, it is important that a Salter Scale be used

**SALTER**  
*baby weighers*

**GEO. SALTER & CO. LTD., WEST BROMWICH**



## Essential Oils

Almond	Aniseed	Bay
Cassia	Cedarwood	Clove
Eucalyptus	70/75 and 80/85	
Geranium	Juniperberry	
Lavender	Lavender Spike	
Lemon	Lemongrass	
Orange	Origanum	
Pennyroyal	Peppermint	
Rosemary	Sassafras	Thyme

Trade Inquiries Invited

**"IMMORTELLE"**  
**PERFUME COMPOUNDS**

**LODGE, ROBIN, LIMITED**  
Laleham-on-Thames, Middlesex  
Tel./Grams: Staines 3698

**FOR  
ALL TYPES OF  
PHOTOGRAPHIC  
WORK**

Developing and Printing Service to Photographic Dealers and Chemists, including Commercial and Industrial Photography, write for particulars to our Oxford Works Manager and arrange a first class service for this Season.

**WILL R. ROSE LTD.**  
20, ST. EBBES STREET  
**OXFORD**

# CRUDE DRUGS

**BROME & SCHIMMER**

WHOLESALE DRUGGISTS

BOTANICAL DRUG IMPORTERS AND SPICE MERCHANTS. DRUG AND SPICE MILLERS

7 LEATHER MARKET, LONDON, S.E.

**FILLING  
YOUR NEEDS...**

**AN AUTOMATIC  
ROTARY FILLER for MEDICINES,  
LOTIONS, ANTISEPTICS, ETC.**

★ The ALBRO Filler illustrated is a 10-Head model for the automatic filling of a large range of Pharmaceutical products.

ALL-BRITISH—it's one of ALBRO'S wide range of Rotary Vacuum Fillers—the result of 30 years' specialization in the low Vacuum filling method. Valveless and completely automatic—it embodies exclusive ALBRO features to fill your needs with speed, accuracy and economy!

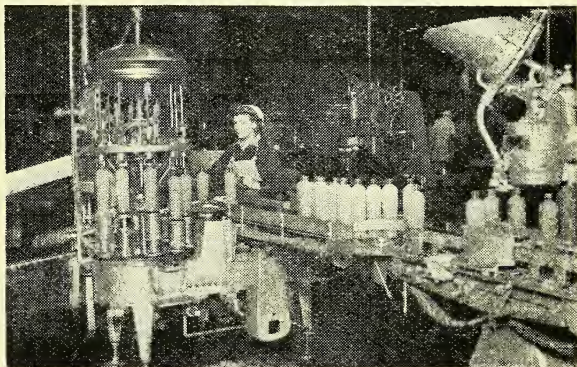
**YOUR ENQUIRIES ARE INVITED**

**ALBRO**

**FILLERS & ENGINEERING CO. LTD.**

Northampton Works  
Watson's Road, Wood Green,  
London, N.22

(Bowes Park 2217-8)



**Only ALBRO offers ALL these features**

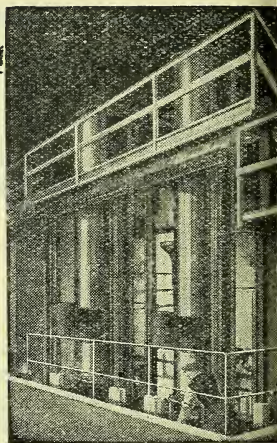
- \* VALVELESS and Completely Automatic.
- \* Fills accurately to pre-determined level — no waste, overflow or drip.
- \* Bright polished stainless steel where in contact with product.
- \* Faulty bottles will not fill and are automatically rejected.
- \* Easily sterilized—rapidly adjusted to different size bottles.
- \* Conveyor delivers bottles from Washer to Filler—Filler to Capper.
- \* Models from 10 to 24-Head with outputs from 200-600 doz. per hour.
- \* Models for powders, creams, liquids into tins and drums; conveyor packing tables; stopper and lid pressing machines, etc.

*An impression of one of  
our Quinine Extraction Plants  
(Our own design)*

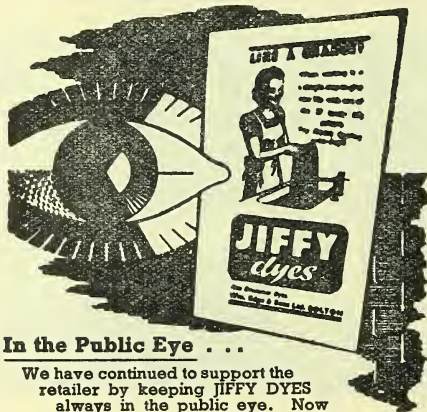
# JARVIE

*for* **Quinine**

*Established 1892*



**H. JARVIE & COMPANY LIMITED COATBRIDGE SCOTLAND**  
Export Dept., 10, Portman St., London, W.1.



### In the Public Eye . . .

We have continued to support the retailer by keeping JIFFY DYES always in the public eye. Now that supplies are growing better each day the value of firmly upholding "goodwill" must inevitably show itself. It pays to stock "goodwill" lines.

## JIFFY DYES

**Also DRUMMER DYES**

Made by Wm. EDGE & SONS LTD. - BOLTON



**PHARMACEUTICAL CHEMICALS  
ALKALOIDS · DRUGS · OILS**

★  
*Manufacturers of*

**BENZAMINE & SALTS  
CUPFERRON  
METHYL ACETANILID  
THEOPHYLLINE & SALTS**

**BULK & PACKED  
IMPORT & EXPORT**

**HUFFER & SMITH LTD**  
WHOLESALE & MANUFACTURING CHEMISTS  
**CROYDON, ENGLAND**

Telephone : THORNTON HEATH 4266-7

Telegrams :

HAHU, CROYDON SANTONINIC CROYDON



Importers and Exporters of Pharmaceutical  
Chemicals; and Manufacturers' Agents.

*Established 1890*

*Cables: Windschuegl London*

**CHAS. H.  
WINDSCHUEGL LTD.**

1, LEADENHALL STREET, LONDON, E.C.3

**AMBER**

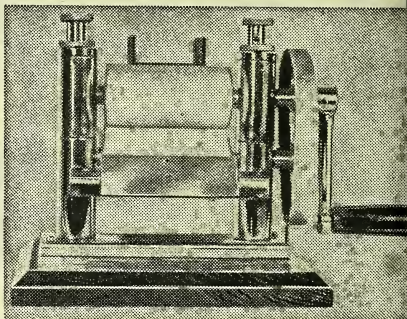
fine

**CHEMICALS**

**BARBITONE**  
**BARBITONE SODIUM**  
**BUTOBARBITONE**  
**CYCLOBARBITONE**  
**PHENOBARBITONE**  
**PHENOBARBITONE**  
**SODIUM**  
**AMINOPHYLLINE**

**AMBER PHARMACEUTICALS LTD.**

MANUFACTURERS OF FINE CHEMICALS AND PHARMACEUTICAL PRODUCTS  
 BYRON HOUSE, 7-9, ST. JAMES'S STREET  
 LONDON, S.W.1.

**The ADELPHI OINTMENT MILL**

For refining small batches of  
 ointment with ease and speed

- Place the rough mixed ingredients on the top roll and the mill does the rest . . .

Also Sole Makers of the Adelphi Powder  
 Blender, Autofiller and Bottle Washer

**ADELPHI****MANUFACTURING CO. LTD**

Dept. A4, 393A CITY ROAD

Phone : TERminus 2959 LONDON, E.C.1



N.V. SOCIETEIT VOOR  
 CHEMISCHE INDUSTRIE

**"KATWIJK"**

KATWIJK - AAN - ZEE  
 HOLLAND

Producers of:

**CAFFEINE** AND SALTS**CYCLOBARBITONE** (ACID & CALCIUM SALT)**THEOBROMINE** AND SALTS

**PENTAMETHYLENETETRAZOL**  
 (Syn. LEPTAZOL B.P.)

**DIPHANTOINE** (DIPHENYLHYDANTOINE)  
 PURE, SODIUM AND CALCIUM

London Agents:

**GREYER, BRECHEISEN & Co., Ltd.**  
 BUSH LANE HOUSE, CANNON STREET,  
 LONDON, E.C.4.

Telephone: MAN 9030

# "National" Dispensing Bottles

are Strong, Serviceable and Sure-selling

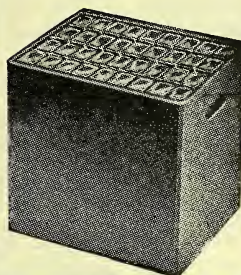
NEATLY PACKED IN 6 DOZEN  
RETURNABLE CARTONS

- ★ CONVENIENT IN SIZE
- ★ EASY TO HANDLE
- ★ UNIFORM IN QUALITY

SCREW CAPS SUPPLIED IN  
WHITE-ENAMELLED METAL



A "NATIONAL" Production




## Vials

of "NATIONAL" quality

Ranging in size  $\frac{1}{2}$  oz. up to 3 oz.  
Plain or teaspoon graduations  
Medium and tall types.

MANUFACTURED IN BEST QUALITY  
WHITE FLINT, AND PACKED IN  
RETURNABLE CARTONS



TRADE  MARK

## National Glass Works (York) Ltd.

Works: FISHERGATE, YORK  
Telephone: York 3021

London Office: 105 HATTON GARDEN, E.C.1  
Telephone: Holborn 2146

WHOLESALE ONLY

**SUPREME  
BRANNAN  
ACCURACY**



**THERMOMETERS**  
Clinical Household Industrial etc

MADE IN ENGLAND  
BY  
**S. BRANNAN &  
SONS LTD.**  
London & Cumberland

**'ACRIBES'**  
Regd. Trade Mark

EXPORT BRANCH  
**LYALL WILLIS  
& CO. LTD.**  
52, BAKER ST.  
LONDON, W.1

**TRANSPARENT BAGS**  
FLAT BOTTOM and GUSSET PLAIN and PRINTED

Please send your enquiries to :

**F. W. CROOKES & SONS LTD.**  
Wharnccliffe Works, Green Lane, Sheffield

who have now installed the MOST MODERN MANUFACTURING PLANT for TRANSPARENT BAG MAKING

**CUTICLE STICKS • SPATULAE  
OINTMENT LIFTERS  
APPLICATORS** supplied to the trade

Highest quality at lowest prices

**MOULDINGS & SHAPES CO**  
66 Sprowston Mews, Forest Gate, E.7

HERE'S A **CORN**  
REMEDY YOU CAN'T BEAT  
Hobson's Choice removes Corns in 3 to 7 days,  
it is safe, sure and painless. Backed up by  
widespread advertising it has become the  
leading CORN CURE on the market to-day.

100 99  
**Hobson's Choice**  
**FEET PLAISTERS  
POWDERS**

Retail Prices:

Plaisters - 2½d.

Powders - 1½d.

Combination  
Pack - 9d.



**HOBBSON TRIMBLE & CO., LTD.,**  
UNION HOUSE, LEEDS, 2

Sole distributors for Scotland :  
**SOUTHERN MANUFACTURING CO., LTD.,**  
187, St. Vincent Street, Glasgow, C.2.

**Stock and Sell**



Infra-Red and Ultra-Violet  
Ray Therapy Appliances.

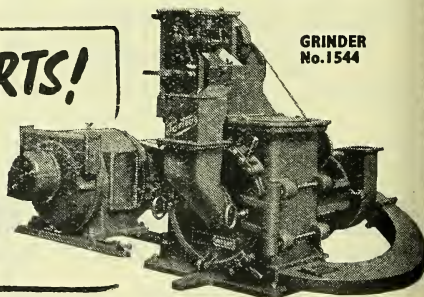
**PERIHEL LIMITED**

17 EDGE STREET • LONDON • W.8 Phone PARK 7870

**CALL IN THE EXPERTS!**

The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now?

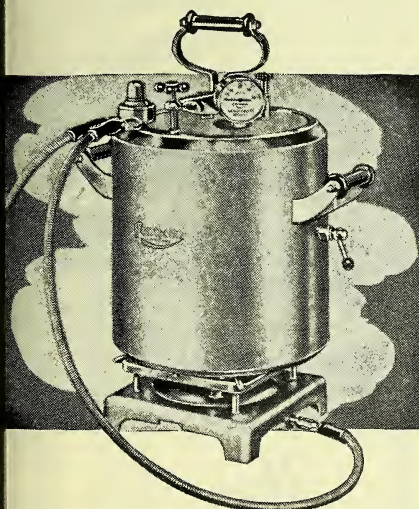
**GEORGE PORTEUS & Sons (Leeds) Ltd.**  
LEEDS BRIDGE WORKS, LEEDS 10



**GRINDER**  
No. 1544

PENTECON • PENTECON • PENTECON • PENTECON

# the advantages of the **PENTECON** Autoclave



## THERMOSTATIC CONTROL

The thermostat, independent of the pressure factor, is the most accurate means of obtaining a consistent temperature. Designed for use over a gas ring or portable burner, it is constantly in control, after initial adjustment to suit the requirements.

Made from a special formula aluminium, the 'Pentecon' is light and handy to move about. The lid design provides a steam-tight joint, which cannot be opened under pressure.

To use saturated steam, allowing operation at lower pressure in relation to temperature, an Air Blow-off Valve is fitted. A Pressure Regulator Valve whistles when the required temperature is reached.

The temperature of a liquid in an open vessel within the 'Pentecon' can be checked by previously inserting a chemical thermometer through a gland in the lid.

CAPACITY—11" x 10½". Contents approx. 26 pints or seven 20 oz., or M.R.C. Standard Blood Bottles.

The 'Pentecon' is economical in price and operating costs. Price (excluding gas ring and flexible tubing, which are not supplied) . . . . . **£16. 16. 0**

A fully descriptive leaflet will be sent, post free, on request to Dept. 3, Pentecon, Ltd., Accrington. Please mention the name and address of your normal supplier.

**PENTECON LTD. ACCRINGTON**



*The name  
that means  
everything to  
a Woman*

## **VELENA**

Soluble Sanitary Towels

In packets of Six 10½d. and  
packets of Twelve 1/9d.

Velena, Alperton Mills,  
Alperton, Middx.

One of the new VELENA advertisements now appearing in the daily press and selected women's magazines . . . an estimated total readership of over 12 million women. This, and the high quality of VELENA, is your assurance of steady and increasing demand.

Trade enquiries to **VELENA**

Alperton Mills, Woodside End, Mount Pleasant  
Alperton, Middlesex.

**ZEAL****Clinicals****The Choice  
of Experts****BRITISH  
MADE**NO HIGHER  
IN PRICE THAN  
NONDESCRIPT  
MAKESAlso Household, Bath  
and Works Thermometers,  
the best of their kind**G.H. ZEAL LTD.**  
LOMBARD RD., MORDEN RD.,  
LONDON, S.W.19

Phone: Liberty 2283-4-5

**NOT STICKY**

... it's NOT a plaster

**BUT IT STICKS!**

..it's MORE than a bandage

**PRESTOBAND**THE ANTISEPTIC SELF-ADHESIVE BANDAGE  
STICKS TO ITSELF — BUT NOT TO THE SKIN*Details from the Sole Distributors***FASSETT & JOHNSON LTD**86 Clerkenwell Rd. London, E.C.1 and 6 Crow St. Dub.  
MADE BY VERNON & CO., PRESTON, LANC.*The***BEATSON  
MEDICAL**

A bottle of quality. The retention of the vial lip for easy pouring is combined with all the advantages of modern design, including the elimination of internal sharp corners allowing rapid dispersal of sediment.

★ *Plain or Graduated  
Cork Mouth or Screw Cap***BEATSON, CLARK & CO. LTD**  
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS  
ROTHERHAM • Established 1751 • YORKS

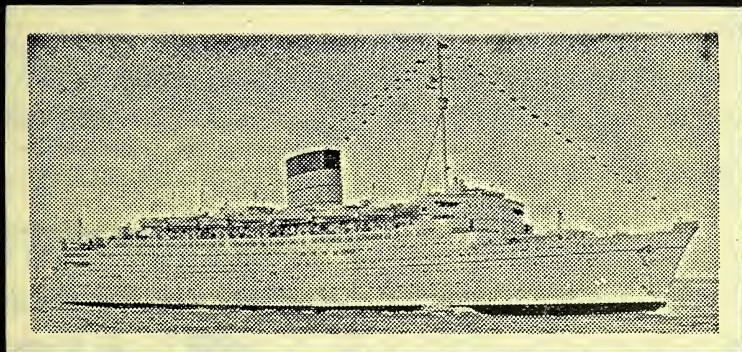


# *Jason & Stuart*

**PRODUCTS LTD.**

*Oldham, Lancashire.*

take pleasure in announcing that their products are  
now part of the HYGIENE service on board the  
WORLD'S GREATEST LINERS  
'QUEEN MARY,' 'QUEEN ELIZABETH' and  
The New 'CARONIA'



Trade enquiries to :-  
**Plane Street Mill**  
**Plane Street, Oldham**

Telephone : MAIN 3340

**FOR LADIES PERSONAL HYGIENE REQUEST :-**

**'MARIE' or 'DEBUSAN'**

100% BLEACHED COTTON WOOL with KNITTED COVER

**'SOLOUISE'**

(SOLUBLE) with KNITTED COVER



# Prolonged Protection

AFTER the successful application of an antiseptic, there still remains the risk of fresh contamination by pathogenic organisms. It is important, not only that the barrier should be effective when first set up, but that the protection should be prolonged.

The protection conferred by 'Dettol' is durable. It has been shown that if 30% 'Dettol' is applied to the skin and allowed to dry, the area remains insusceptible to fresh infection by *streptococcus pyogenes* for at least two hours.\*

*\*This experimental finding (J. Obstet. Gynaec. Brit. Emp. Vol. 40 No. 6) has been confirmed in obstetric practice extending well over a decade.*

## 'DETTOL'

THE MODERN ANTISEPTIC

RECKITT & COLMAN LTD., HULL AND LONDON  
(PHARMACEUTICAL DEPARTMENT, HULL)

# "SURCO"

RELIABLE

## ELASTIC HOSIERY

SEAMED AND SEAMLESS

For special garments to measure  
we give the best possible service

**SURGICAL BELTS  
TRUSSES AND SUNDRIES**

50 years' service of  
everything Surgical

### SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM  
Telephone No. 75903 Telegrams: Surgical Nottm

## Steadily drifting South...

# Askit

THE POWDER WITH A REPUTATION

**For over 30 years  
Scotland's leading  
Proprietary Medicine**

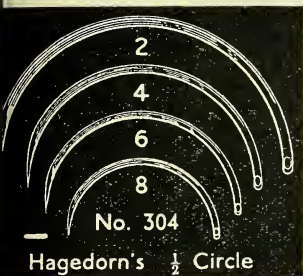
for the speedy relief of  
Headaches, Neuralgia, Neuritis  
and all Nerve Pains.

Manufactured by  
ASKIT LTD MANUFACTURING CHEMISTS  
GLASGOW N

and stocked by  
ALL LEADING WHOLESALE HOUSES

**Milward's**

NEEDLES . . . . . LEADERS SINCE 1730



the British and Empire  
Distributors (except Canada)

*Phas. J. Thackray*  
LTD

Head Office: THE OLD MEDICAL SCHOOL, PARK STREET, LEEDS, 1  
Also at 38 WELBECK STREET, LONDON, W.1



### SURGICAL NEEDLES

Two hundred years ago Milward's reputation in needle-making craftsmanship was established. All that tradition has taught and modern metallurgy perfected is reflected in the unusual strength, intense sharpness and mirror finish of the latest Milward's Iron Arm Surgical Needles. Supplies of all standard patterns are available.

*Enquiries welcomed.*

*Catalogue sent on request—also illustrated price list of Milward's VIM Hypodermic Syringes and Needles.*

## COMPRESSED

### MEDICINAL & OTHER TABLETS

any shape or size up to 1½"  
(bulk or packed)

Private Formulas compounded by  
Experts. Strict secrecy guaranteed.

OVER 40 YEARS' PRACTICAL EXPERIENCE.

Enquiries invited.

Telephone:  
Canonbury 3401

**BUCKLEY-BOWKER TABLET CO. LTD**  
29, PARKFIELD STREET · LONDON · N.1

OUR LATEST PRODUCTION

## "NORVEX SYLK" SAN TOWELS

(REGD.)

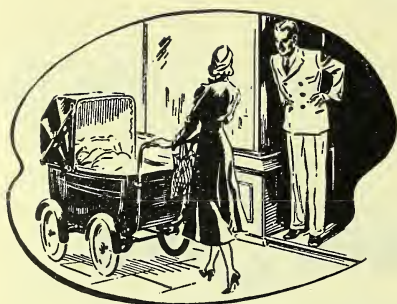
*In Knitted Covers*

**"SOFT AS SILK" ALL WOOL**

SOLD BY CHEMISTS ONLY

## CROSSKILLS OF NORWICH

●  
Phone :  
20954



**"DO YOU SELL 'NAPPI·WITE'?"**

★ *Will you be able to answer Yes?*

'Nappi-wite', the wonderful new cleanser that eliminates the constant drudgery of the nappy wash is on the Market. Packed in most attractive cartons, it is guaranteed harmless. No soap or coupons are required. Widespread advertising is making it known to mothers throughout England. In the near future, they'll be asking in their hundreds if you keep it—get in supplies and be ready to answer their question in the affirmative. A worthwhile business offer you cannot afford to miss.



RETAIL PRICE  
PER LARGE CARTON

**1/6**

**NAPPI·WITE**  
REGD.

**THE PERFECT NAPPY WASH**

Trade enquiries should be addressed to :

**Nappi-wite Limited, Conduit Street, London, W**

# ANITA SANITARY TOWELS

**All white soft wool with loop ends  
Knitted covering**

**HYGIENIC  
HIGHLY ABSORBENT  
BEAUTIFULLY SOFT  
ECONOMICAL**

**M. MERICA & CO. LTD.  
QUEENS MILL  
20 SHAW ROAD, OLDHAM  
LANCS.**

TELEPHONE : MAIN 5803

*An*  
**ALL-BRITISH FIRM**  
*have pleasure  
in announcing that:—*

**BRONCHOVYDRIN**

*is back on the  
BRITISH MARKET*

★  
**EXEMPT from PURCHASE TAX**

★  
*This Inhalant for the Treatment of  
Asthma is now Obtainable from the*

Manufacturers and Sole Distributors :—  
**BRONCHOVYDRIN (1945) LTD.  
12 WESTWOOD ROAD • BARNES • S.W.13**

**Now available**

# NEW, IMPROVED ARRID

**over 8d. profit  
for you on every  
jar you sell!  
Retail price 2/5  
including  
purchase tax**

**—the cream deodorant  
which also stops perspiration**

**WOMEN** are clamouring in the shops for Arrid—the world's biggest-selling cream deodorant which also stops perspiration. Advertising is being increased, and with a strong national campaign running, the demand will be something terrific!

Arrid sells on sight, and you make over 8d. on every jar. Easy, quick profits, and satisfied customers who'll come in for other goods! You'd be well advised to stock up without delay.

## ORDER ARRID NOW!

*Details of special terms for ARRID, Carter's Little Liver Pills, and other products from THOMAS MARNS LTD., 2 CAXTON STREET, LONDON, S.W.1*

**You'll be right in the swim  
this summer—  
if you stock**



**Puck**  
SWIM CAPS

**TIGHT FITTING**

They're ideal for swimming, for the bath or for use while dusting. That means regular sales right through the year!  
Packed in individual window cartons, caps are of red, yellow, pale-blue and white. Supplied in outers containing 4 dozen cartons, assorted.

*Retail price in the U.K. 1/3 incl. tax.*

*Only Wholesalers Supplied*

**GROVEWELL LTD**

56 Forest Road, Walthamstow, London, E.17



**ALREADY A  
"BEST SELLER"!**

The extra-strong peppermint flavour (that *lasts*) has delighted users everywhere. It *pays* to stock and sell DENTOMINT at 1/- a tube, incl. P.T.

- **SUBSTANTIAL PROFITS — ALL THE YEAR ROUND SALES**
- **50% PROFIT FOR RETAILERS**
- **WELL ADVERTISED**
- **ATTRACTIVELY PACKED IN 1 DOZEN DISPLAY OUTER**

*Post your order to-day :—*

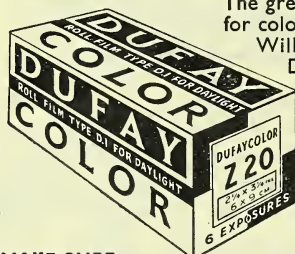
**DENTOMINT LIMITED**

14 BLENHEIM TERRACE  
ST. JOHN'S WOOD, LONDON, N.W.8  
Telephone : MAIDA VALE 8061/2

-----Cut out this page for future reference.-----

# DUFAYCOLOR PROCESSING STATIONS

A DUFAY PRODUCT



## MAKE SURE OF YOUR STOCKS

The world-famous Dufaycolor film is at present in good supply, so build up a reserve NOW to meet the heavy summer trade.

The great sale of Dufaycolor indicates that this year the demands for colour processing work will be overwhelming.

Will dealers therefore please note, that we have established Dufaycolor Processing Stations at addresses below, where colour film may be sent for immediate service.

ST. ANNE'S-ON-SEA

Preston Photographics Ltd., 48 Church Road.

SOUTH SHIELDS

Rapide Ltd., 5 Keppel Street.

HULL

C. Tudor, 8 Ella Street.

NOTTINGHAM

Bassett Greenwood Ltd., 48 Carrington Street.

SOUTHAMPTON

W. R. Martin Ltd., 117 East Street.

TEDDINGTON, MIDD.

Northcote Photo Works, 129 Fulwell Road.

EDINBURGH

F. Caird Inglis & Son, 15 Meuse Lane

DUFAY-CHROMEX LTD., 14/16 Cockspur Street, London, S.W.1.

Tel. Whitehall 6747

## EXPERT GUIDANCE IN TRUSS FITTING

Under the National Health Service these appliances can be ordered on EC10 forms.

Pharmacists should be fully acquainted with the practical details involved in the supplying and fitting of them.

The informative series of articles on the subject recently published in *The Chemist and Druggist* have been reprinted in booklet form, which provides full information in concise detail. Copies should be handy for reference purposes in every pharmacy.

Supplies are now available at following prices :-

Single copies . . . . . 1/6 post free  
1 doz. copies . . . . . 1/4 each post free  
2 doz. copies . . . . . 1/3 each post free  
50 copies or over . . . 1/- each post free

Orders with remittance to the Publisher:

**The CHEMIST AND DRUGGIST**  
28 Essex St. Strand - London, W.C.2

FOR DESTROYING RATS and MICE  
**HALLER'S EXTRACT OF SQUIRREL**  
is always in demand as it is a standard product, controlled by Bio-assay tests

For the destruction of  
**Beetles, Cockroaches, Crickets, etc.,**  
USE

**"DANZO BEETLE POWDER"**

**"CADOG"**

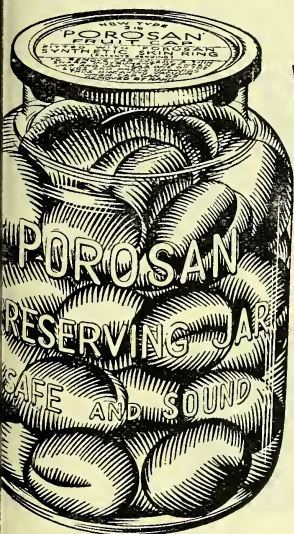
Parasiticide and Insecticide in liquid form  
destroys all kinds of noxious insects:—  
**Bugs, Lice, Fleas, Moths, etc.**

Address all enquiries for preparations for the  
destruction of Domestic Pests to:—

**HALLER LABORATORIES, LIMITED**  
325, BOROUGH HIGH STREET, LONDON, S.E.

# Food needs are Great

## POROSAN SALES SOARING



tail prices:

b. size 7/6; 2-lb. size 9/6;

b. size 12/6 per dozen.

Thanks to the unique POROSAN Ring, which enables mere palm pressure to effect a perfect seal, the new POROSAN Jar is already in great demand. Fruit bottlers will appreciate its one-piece closure, the wide mouth for easy packing, and its sturdy "stack-em-up" shape. Stocks of all POROSAN lines are now available, but ORDER EARLY to ensure supplies in good time for the season. Attractive Sales Aids are available on application.

### POROSAN

s and Rings for 1-lb. and  
o. jam jars or for replace-  
at purposes for POROSAN  
s: caps and rings 3/- per  
; rings only, 1/- per doz.



### POROSAN

Preserving Skin for odd jars.  
Improved, thicker and better  
than ever before. Made in rolls  
sufficient for 6 and 18 jars at  
2/- and 5/- per roll respectively.



Sole Distributors to Chemists

# S. MAW, SON & SONS, LTD

P.O. Box 54 BARNET, ALDERSGATE HOUSE, BARNET, HERTS.

Marketed by POROSAN LTD. 4-5 WARWICK COURT, LONDON, W.C.1



## Now here's a cat with A HEAD FOR FIGURES

This cat is going to make your cash register as lively as a kitten! He's the attractive pet whose head now appears on the new KARSWOOD showcards and packs, and he'll attract attention—and sales! In the eyes of cat-lovers KARSWOOD CAT POWDERS stand out above all the rest. Get your share of ever-increasing, publicity-backed KARSWOOD sales! In packets 8 for 9d. or 24 for 1/9d.

# KARSWOOD

TASTELESS

cat

POWDERS

A Product of E. Griffiths Hughes Ltd. Manchester 3

**IF YOU HAVE  
RATS  
GIVE  
THEM A  
BISCUIT—**



... but make sure it's a **VEXTERM RAT BISCUIT**, not harmful to pets, human beings or farm-yard stock, but death to rats and mice. Clean, safe and easy to handle. From Chemists, Ironmongers and Stores everywhere. Price 1/6 & 5/9

# VEXTERM

**READY-BAITED  
RAT BISCUITS**

Agriculture and Fisheries Licence No. 10184

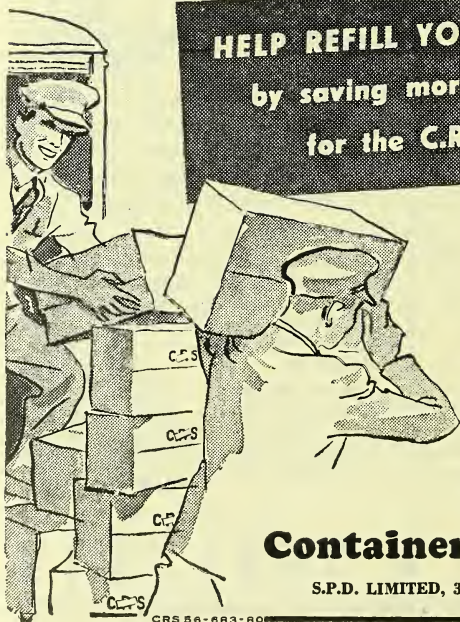
Manufactured by

**BRITISH RODENT EXTERMINATOR CO. LT**

PRATTS BOTTOM · FARNBOROUGH KEI

Phone: FARNBOROUGH 849

**HELP REFILL YOUR SHELVES  
by saving more containers  
for the C.R.S. vanman**

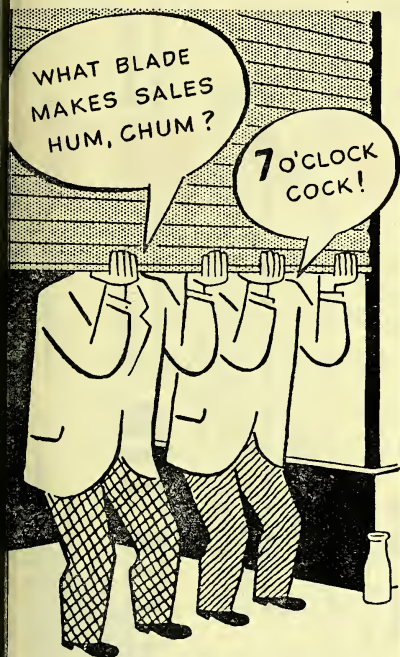


Every time a C.R.S. container is replaced it costs some part of a dollar bill for the cost of importing raw materials, and in a year that adds up to thousands of dollars that might have been spent in the purchase of much-needed goods to fill your empty shelves.

Saving empty C.R.S. containers helps to keep welcome goods flowing in, and unnecessary dollars from flowing out. Remember that when the C.R.S. vanman calls.

## Container Recovery Service

S.P.D. LIMITED, 3-5 SALISBURY SQUARE, LONDON, E.C.4



You hear the phrase everywhere you go—"7 O'CLOCK, Cock!" And the result is an ever-increasing demand for 7 O'CLOCK blades. Triple-ground for extra sharpness, 7 O'CLOCK are *consistently* keen—you never find a "dud" among them! A display of 7 O'CLOCK blades on your counter is a sure way to keep your bill ringing.

# 7o'clock

BLADES


11<sup>p</sup>

FOR SIX  
(including tax)



Actually **COST LESS** than **PRE-WAR!**

Trade enquiries to your wholesaler or to Gillette Industries Ltd., Gillette Corner, Great West Rd., Isleworth, Middlesex



## Don't be floored by shortage of boxes



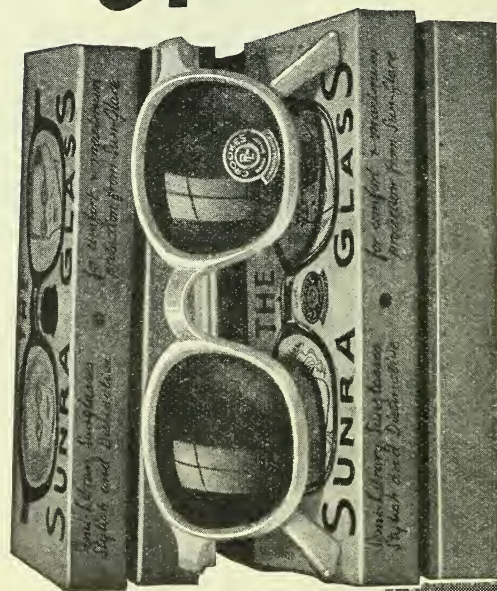
## Box clever- ring up PETRUSHKIN

### AND SOLVE YOUR PACKAGING PROBLEMS

We have provided manufacturers in every part of the country with an efficient box-making service for over half-a-century. This experience, plus the advantages of the most modern machines, is at your command today. Incidentally, we have spare capacity just now for making rigid and folding wire-stitched cartons, also small-size round boxes with beaded edges.

### M. PETRUSHKIN LTD.

183, BOW ROAD, LONDON, E.3  
ADVANCE 3131



# SUNRA GLASS

AT LAST!

A moderately priced  
sunglass with the  
"expensive" look

RETAILS AT

**3s. 6d.**

(in two colour box)

Scientifically styled for men and women. Comfortable  
saddle bridge in two popular fittings.

Available in attractive colours: opaque, transparent and  
pearl, from your usual wholesaler. There are twelve  
other models of sunspecs from which to choose which  
retail from 1s. 0d.

## OPTICAL PRODUCTS LTD.

370-372 STATION ROAD, FOREST GATE,  
LONDON, E.7. — ENGLAND

Telephones: MARYland 1766 & 1550

# THANK YOU

all for your response to our advertisement regarding Purchase Tax and Income Tax impositions in the June 4th issue of "The Chemist & Druggist".

Every letter received will be answered in due course.

In the meantime, we shall continue to fight the impositions of these high taxes four years after the War.

May we ask you to protest to your trade papers, your trade associations, your customers, your local newspapers, your Chambers of Commerce, etc. We shall get action if we unanimously resist these impositions. The time has now come.

---

This advertisement published by, and at the expense of:—

## GORDON-MOORE'S COSMETIC TOOTHPASTE

*The finest Toothpaste in the world—*

*It **rose-tints** the **gums** to match lipstick*

31 SINCLAIR ROAD, KENSINGTON, LONDON, W.14

Telephone: Shepherd's Bush 1131-1132.

Telegrams: Dazzling, London

# MORE HOLIDAY BUSINESS FOR YOU!

Our usual Nation-wide advertising is continually stressing the care of the eyes, and this is of course particularly applicable to all holiday-makers, who during the summer months must at some time or another encounter the effects of glare, dust, salt-water, etc., on the eyes. In addition a publicity campaign opens this month in a selected number of seaside resorts, which will further emphasise the need for Optrex at this time.

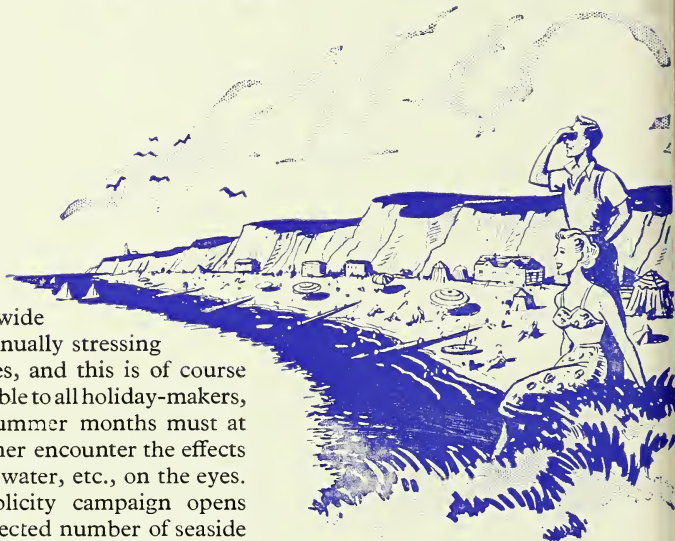
Vast numbers of holiday-makers — *your customers* — will see these advertisements. That means heavy demand for Optrex, both on holiday and at home. Build up your stocks *now* and take advantage of this fine publicity.

## DISPLAY MATERIAL

If you feel that your display material needs strengthening with a special holiday showcard (if still available) drop us a line quickly. We'll do all we can to help you.

**KELDON LTD. PERIVALE, MIDDX.**

Sole distributors for Optrex Ltd., Perivale Laboratories, Ltd., Melvet Ltd., Vetco Ltd.



# Optrex



***hurry!*** GET READY FOR EXTRA BUSINESS WITH  
**GALA OF LONDON'S**  
***nail colour***

REGD. DESIGN

**in the same shades as  
 Gala Lipstick and Lip Line**

When you're asked for Gala Lipstick or Lip Line, offer Nail Colour in a matching shade too. That way you make two sales where you only made one before. It's smart for women to match lips to fingertips with the same glowing Gala shade—it's smart for you to stock up with Nail Colour and be ready for this sure demand.

Make the most of the fascinating never-been-seen-before bottle. Keep it on your counter where customers can handle it. Once a woman gets it in her hands—your job of selling is half done!



**Nail Colour gets as big a  
 publicity send-off as LIP LINE**

Gala's success is built on quality, but it's backed by continuous, colourful, nation-wide advertising. See Nail Colour advertisements in NATIONAL NEWSPAPERS, WEEKLY JOURNALS, MONTHLY MAGAZINES, THEATRE PROGRAMMES, on the HOARDINGS, etc. It also gets generous EDITORIAL SUPPORT.

**GALA OF LONDON**

All enquiries or orders, please, to:

DISTRIBUTORS: **MYRAM PICKER LTD., HOOK RISE, SURBITON, SURREY**



NEW, NON-SPILL BOTTLE



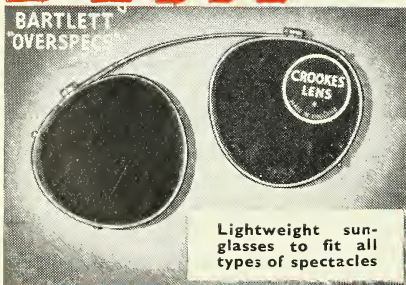
NEW, EASY-CONTROL STEM

OPTICALLY MADE

SUNGLASSES



FOR 1949

BARTLETT  
"OVERSPECS"Lightweight sun-  
glasses to fit all  
types of spectaclesLatest imported French styles  
as shown above and full range  
of British made sunglasses.

Fitted with CROOKES LENSES

WHOLESALE ENQUIRIES ONLY TO:

**ALFRED FRANKS & BARTLETT Co., Ltd.***From your usual wholesaler.*AUDREY HOUSE, ELY PLACE  
LONDON, E.C.1

A *New* BASE  
A *New* EMULSION  
*a New film!*



An entirely new name in  
the sphere of quality films.  
GRAFTON is panchromatic, anti-halation  
backed, and embraces a new base and a new  
emulsion; 28 Sch.

**SIX EXPOSURES**

Price: '20' sizes £9. 6. 0d. per gross plus tax  
'127' .. £7. 16. 0d. .. ..

**TERMS :**

Cash with order, pro forma invoice or C.O.D. To provide proof  
of our claims we will supply a sample dozen lots upon receipt  
of 26/6d. or with tax declaration 15/6d.  
This offer is open to recognised dealers and chemists only, with  
a guarantee to refund cash if not satisfied.

Enquiries to

**JONES & BAILEY LTD.**

66/72 BREWERY ROAD, LONDON, W.7

Telephone : NORTH 2533

Telegrams : Certito, Holwa, London.



# Ortho-Creme

*a dependable aesthetically  
pleasing contraceptive*

Physicians everywhere have welcomed this new Ortho product. Ortho-Creme, like Ortho-Gynol, is instantaneously effective, easily applied and economical. Ortho-Creme Vaginal Cream is a product of pharmaceutical elegance calculated to appeal to the most fastidious woman.

Immediately available from your wholesaler . . . Package "A" (complete with Applicator). Package "B" (tube only).

With Ortho - Creme, Ortho's vigorous medical promotion offers pharmacists yet another opportunity to increase sales volume.

*Display . . . and Sell Ortho-Creme*

**ORTHO PHARMACEUTICAL LIMITED**

HIGH WYCOMBE • BUCKS

*Makers of Gynaecic Pharmaceuticals*

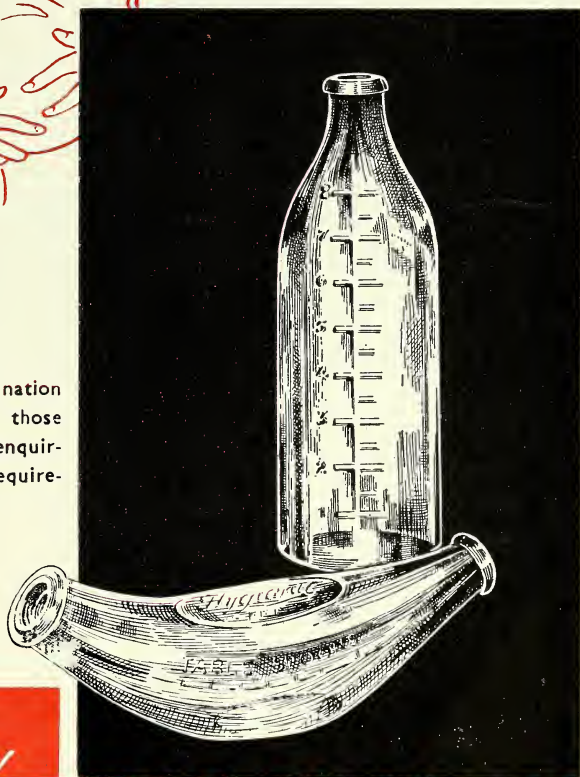


# INFANT FEEDING BOTTLES

ESSENTIAL FOOD AND  
DRUG CONTAINERS,  
MEDICAL FLATS AND  
PANELS, ETC., ETC.



The essential needs of the nation still demand priority. To those planning ahead we invite enquiries for Glass Container Requirements.



*Wholesale &  
Export Only*

London Office:—

29 Ludgate Hill, E.C.4  
Telephone: CITY 7170

**LAX & SHAW** Ltd

REGD. OFFICES: Scott House, 69 South Accommodation Rd., LEEDS, 10  
Telephone: 21568 (2 lines) Telegrams: Feeders (Phone) Leeds 10

**CONTAINS NO  
RUBBER**



**OVAL TOILET SPONGES** selling at 3/8d. and 2/9d. including P.T. are now available in *four delightful colours*—natural yellow, blue, green, pink (packed in dozens, standard assortment or all one colour)—a really fine contribution to your window and counter display.

**THE SPONTEX BABY SPONGE**—extra fine, extra soft, in natural yellow, blue and pink, beautifully wrapped. 2/5½d. including P.T.

**THE SPONTEX COSMETIC SPONGE**—7½d. including P.T.

**BACKED BY A NATION-WIDE ADVERTISING CAMPAIGN.**

Order from your usual supplier, or, in case of difficulty, write to:

**SPONCEL LTD., WOLDHAM RD., BROMLEY, KENT.**

Telephone: RAVensbourne 2641



*Now in 4  
delightful  
colours*

One of the latest  
Pepsodent Press  
advertisements

# PEPSODENT tells a straight story

## What a dentifrice can accomplish miracles

The extent to which a dentifrice can cleanse and polish the teeth is the only real measure of its usefulness. The power of Pepsodent toothpaste to do this job is second to none, for tied with the finest polishing agents obtainable is Pepsodent's exclusive Irium (a brand of specially purified sodium alkyl sulphate), one of the most effective cleansers known to dental science.

## Can toothpaste retard tooth decay?

The Pepsodent Company holds that a first-class dentifrice has one major function in the prevention of tooth decay — to keep tooth enamel free from deleterious film. Laboratory tests over many years have proved Irium to be unsurpassed in its power to loosen surface debris and emulsify mucous film.

This is front-line protection, because if tooth enamel is preserved from the action of the destructive bacteria flourishing in film, the life of the teeth can be prolonged.

## A proved product—backed by powerful advertising

Pepsodent's straight, sensible, and scientifically proved claim is making a strong appeal to the public. Sales are up all over the country in consequence. To display Pepsodent is to sell Pepsodent! And don't forget, Pepsodent's favourable terms mean generous profits!

# THE IRIUM IN Pepsodent FIGHTS FILM

Standard Size 1/4 Double Family Size 2/3

FD 140F-956-100



## FILM ON TEETH CAN BE DANGEROUS

The clinging, dulling film that clouds the whiteness of your smile is hard to shift. It is active with acid-forming bacteria that can pit delicate tooth-enamel. If left, film can form damaging tartar that only your dentist can remove. Mere scrubbing will not deal with it effectively.

**TWO-FOLD ACTION**  
Pepsodent's exclusive Irium emulsifies and washes away stubborn film, uncovers the clean enamel. Then Pepsodent's wonderful safe, sure, polishing action

**CRASH!**share the success  
of this amazing  
**FLY SPRAY****NATIONALLY  
ADVERTISED****A WINNING NAME****IMMEDIATE ACTION**

Crash Fly Spray is in demand! Its proven deadly effect on flies and insects, whilst harmless to children and pets, have created an enormous public demand! This year it is to be advertised for the first time in leading national dailies and the Radio Times. Make sure you are carrying stock to meet the demand.

**Also CRASH POWDER**, packed in sprinkle topped drums. For home and pet use; a persistent and certain killer of Ants, Cockroaches, Clothes Moths, etc.,

**9d. or 2/- sizes***Write for details of very attractive terms***ORDER TODAY**

**BELL &  
SONS LTD**  
SILVERDALE  
WORKS  
LIVERPOOL 13

**The ORIGINAL**

IS READY FOR THIS SEASON

**The safe SOLID FUE**

gives instant heat for instant use  
**Cooking utensils will short'y be available.**

**The sure DEATH to SLUG**

In packets, 10's—1/3, 20's—2/4 and 50's—5

OBTAINABLE THROUGH YOUR WHOLESALE

Wholesalers' enquiries to:

**M. P. TOULSON LTD**

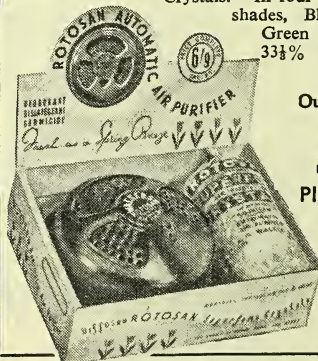
18 CHEQUER STREET, ST. ALBANS, HERTS

# ROTOSAN

## Automatic AIR PURIFIER

Chemists everywhere are welcoming the return of the ROTOSAN in its new modern, streamlined design. Packed in an attractive "display" cart with supply of ROTOSAN pink Superfine

Crystals. In four lovely pastel shades, Blue, Brown, Green and Peach. 33 1/3% retail profit.



Outfit retails  
at

**5/6**

Plus 1/3 P.

Re-fills 2  
6 oz. boxes

**One of Walkers Approved Products**  
**W. & F. WALKER LTD. KIRKBY, L'POOL**

# ..YOU

*have asked for it...  
and here  
it is!*



Also available in  
3 doz. Display Box at 25/6

## **NATIONALLY ADVERTISED**

- MORE THAN 1,000,000 PACKETS SOLD PER YEAR
- CLEAN, NON-POISONOUS AND SAFE
- HARMLESS TO CHILDREN AND PETS

*Display the*

Order from your  
Wholesaler or direct.

# **PACKS THAT SELL, SELL, SELL!**

**RAM PRODUCTS LTD.** (C.D.), Dartmouth Park Hill, London, N.W.5

# ATOMISATION THERAPY

Wherever a respiratory atomiser is indicated you are safe in suggesting one from the Moore Medicinal Products range of inhalers.

● **THE DEEDON (All-Plastic) INHALER**

● **THE BON-ACCORD (Plastic) INHALER**

● **THE BON-ACCORD (Glass) INHALER**

● **THE BROVON MIDGET (Glass) INHALER**  
(Amber and Clear)

● **THE DEEDON Electric INHALER**

Any of the hand-operated inhalers are available under the National Health Service. Prescriptions must indicate the model supplied.

- Literature and price list on the above and other M.M.P. Products on request. **BUY ON BONUS TERMS**

**MOORE MEDICINAL PRODUCTS LTD**  
**ABERDEEN** LONDON OFFICE: 64 GLOUCESTER PLACE, W.1. **LONDON**  
WELBECK 5718/9

FOR

PATENTS

DRESSINGS

PILLS & TABLETS

DANGEROUS DRUGS

DRUGS & GALENICALS

ETHICAL PROPRIETARIES

**SMITH & HILL**

(Chemists) Ltd.

**SIDNEY ST., SHEFFIELD, 1**

Phone: 24321



Manufactured only by

**J. F WHITE & CO., LTD.**

Lovington Laboratory, Benson Street, Leeds, 7

**RECOMMENDED FOR NERVES**

**DR NIBLETT'S  
VITAL RENEWER  
NERVE SEDATIVE**

TRADE DISCOUNT 33½%

**C. P. NIBLETT (Est. 1870)**

10 LICHFIELD TERRACE, RICHMOND, SURREY

Telephone: RICHmond 3221

for  
**70 YEARS**  
Retail price  
6/-  
per bottle  
including  
purchase tax

Announcing  
**Special BONUS TERMS**  
for

**KEATING'S** PLUS **DDT**  
**POWDER**

**Now - to 30th. Sept. '49**

- ★ *Full 33 $\frac{1}{3}$ % profit if you display Keating's Powder*
- ★ *Minimum retail order 30/- net*

**N.B. THIS OFFER DOES NOT APPLY TO SCOTLAND OR N. IRELAND**

*order only from:—*

**EUCRYL LTD., SOUTHAMPTON**

*Appointed Agents to Thos. Keating Ltd*

# KENYA PYRETHRUM

*for your Insecticide*

**Swift**



**Safe**



**Certain**



**You are invited to consult  
the European Agents**

## MITCHELL COTTS

**AND COMPANY LTD**

WINCHESTER HOUSE, OLD BROAD ST. LONDON E.C.2

Representing the  
Kenya Farmers Association (Co-op) Ltd.  
Agents under the Sale of Pyrethrum Ordinance.

# PEBOC LTD

MANUFACTURERS OF  
**VITAMIN D3**

*Enquiries  
to*

SALES OFFICE,  
629, TOWER BUILDING,  
WATER STREET,  
LIVERPOOL, 3.

LABORATORIES · GREENFORD · MIDDLESEX

# Femex

REGD.

*Drastic cuts in*

## 'FEMEX'

Sanitary Towels

Femex No. 1.....18/-.....2/-

Femex No. 2.....22/6.....2/6

Femex No. 3.....27/-.....3/-

Maternity.....27/-.....3/-

Soluble No. 1.....15/9.....1/9

High Quality unchanged  
IMMEDIATE DELIVERY

## WILFRED STRETCH & CO.

LIMITED  
CASTLETON · ROCHDALE

# TABLETS, PILLS, CAPSULES

British Chemotheutic Products Ltd. offer a complete range of Tablets, Pills and Capsules for dispensing under the National Health Acts. These products are all subject to rigid analytical control. Backed by long manufacturing experience, they conform to the highest standards of quality, purity and pharmaceutical elegance.

Acetomenaphthone  
Allobarbitone  
Amphetamine Sulph.  
(Racemic & Dextro)  
Barbitone  
Butobarbitone  
Calciferol  
Carbromal  
Codeine Co  
Cyclobarbitone  
Dienoestrol  
Digitalis  
Ephedrine  
Ethisterone  
Hexoestrol  
Mepacrine  
Methyl Thiouracil  
Methyltestosteron  
Nicotinamide  
Nicotinic Acid

Oestrone  
Phenobarbitone  
Phenytoin Soluble  
Quinine Salts  
Quinidine  
Santonin  
Stilboestrol  
Succinylsulphathiazol  
Sulphacetamide  
Sulphadiazine  
Sulphaguanadine  
Sulphanilamide  
Sulphapyridine  
Sulphathiazole  
Sulphamezarine  
Sulphamezathine  
Thiouracil  
Thyroid  
Glands  
Vitamins, etc., etc.

**BRITISH CHEMOTHEUTIC PRODUCTS LTD**  
**BRADFORD (P.O. BOX 191)**

*Your enquiries invited for all types of Tablets, Pills and Capsules.*

---



## A GOOD FAMILY LINE WITH A STEADY TURNOVER

HERBALENE, a nationally advertised herbal laxative, has a deservedly high reputation, for its gentle, *natural* action makes it suitable for young and old alike.

### RETAIL PRICES

1/6, 2/6 & 3/8

Including Purchase Tax

Obtainable from wholesalers or direct from address below. Attractive show-card available on request.

### TRADE PRICES

10/-, 16/- & 24/- per doz.

Plus Purchase Tax

Please enquire for details of how to obtain free a Rubber Door Mat advertising HERBALENE.

## LUSTY'S NATURAL PRODUCTS CO.

(C.D.) 278 LONDON ROAD,  
WESTCLIFF-ON-SEA



## Eade's PILLS

Eade's Rheumatic and Gout Pills, the remedy with a 100 year old fame.

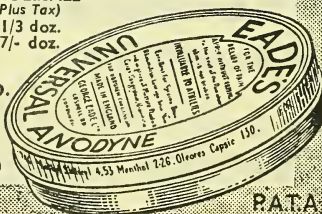
RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.
6/3	46/- doz.

## Eade's UNIVERSAL ANODYNE

Another Eade's product always in demand.

RETAIL (Inc. Pur. Tax)	WHOLESALE (Plus Tax)
1/7	11/3 doz.
3/9	27/- doz.

EADE'S PILLS LTD.  
(Dept. C. & D),  
232 Goswell Rd.,  
LONDON, E.C.1.  
Clerkenwell 3370



PATA

SELL  
under your  
"OWN NAME"

Vitamin Malt  
Extract  
and  
Malted Wheaten  
Food

Write for particulars or phone:—  
**KINGS OF KINGSBURY (Sales) LTD.**  
1, LONDON BRIDGE, S.E.1  
Phone: HOP 2004

**They're busy in  
the newspapers  
building up  
your summer  
sales!**

THE holiday months are always big months for Alka-Seltzer, with its extra fast relief for holiday headaches, indigestion, stiff muscles and other aches and pains. *Alka-Seltzer sales are going up fast!* See that you get your share of this increasing business. Tie up with Alka-Seltzer's new and unique advertising. Send for Alka-Seltzer's bright, sales-making display material.

**Alka-Seltzer**  
All set for another  
big summer

Write for trade price list and display discounts to Don. S. Momand Ltd., 57 Albany St., London, N.W.1. Sole Distributors for Miles Laboratories Ltd., Bridgend, S. Wales.



*It will make sore throats better  
and Summer trade brisker  
if you sell*

**Simpkin's**  
**IODISED FRUIT PASTILLES**

Iodised Fruit Pastilles, though a new line, have already proved to be most effective for parched, dry throats so prevalent in summer due to dust and heat. Available in the same pack as our other pastilles, 2 lb. display jars, 3 lb. tins, and packed tins to retail at 1/6d. They are a combination of Iodine, Phenol, Menthol and Methyl Salicyl.

A. L. SIMPKIN & CO. LTD.  
SHEFFIELD



PHARMACEUTICAL LABORATORIE  
ENGLAND

**BRITISH  
MADE AMPOULE FILES**

are now available

We are now in a position to manu-  
facture large quantities of Ampoule  
Files and invite inquiries

**DOMINION STEEL CORPORATION**  
LTD.

"FLEET" WORKS  
QUEEN'S ROAD, SHEFFIELD, 2

**KNOW YOUR COSTS**

Why be worried with staff and overheads when you  
send your products to us for packing.

Output can be increased or decreased to suit prevail-  
markets, therefore, you are not committed to hold la-  
stocks or staff and your overheads are cut to a minim

Let us quote you

**T. J. FAVELL & CO. LTD.**

192 Seven Sisters Road, London, N.4.  
ARCHway 1846

*Ask For*

W. MELLOR & CO.  
(Mossley Ltd.)

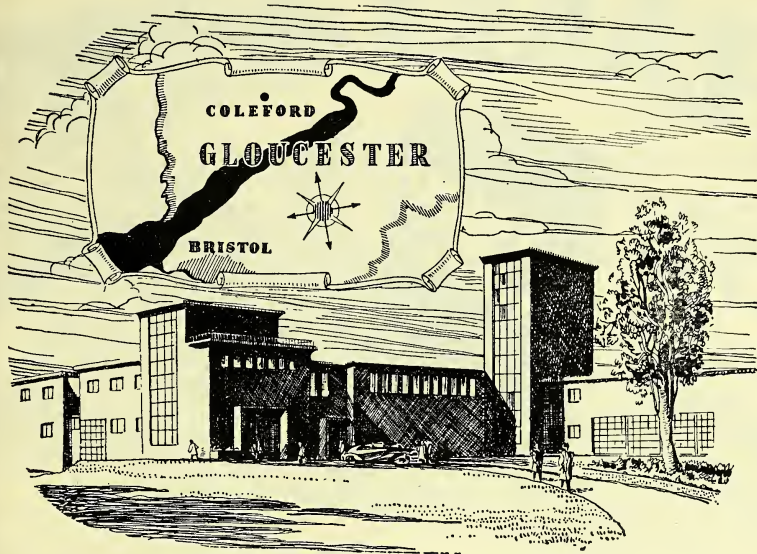
**SANITARY**



**TOWELS**

UNA MILL MOSSLEY  
LANCS.

*... the all Wool Towel*



## NOW WE'VE MOVED— EVERYTHING'S MOVING

The Carter 'Factory in a Forest' is settling down to steadily increasing production. New ideas—new processes—are going into operation so that Ribena, always high in quality, will be better than ever in every way. Some of the improvements in bottling and colouring are already getting around. Ribena does everybody good—including the Chemist who sells it!



***Ribena*** (RIBES NIGRA)  
**BLACKCURRANT SYRUP**

H. W. CARTER & CO. LTD., THE ROYAL FOREST FACTORY, COLEFORD, GLOS.

# FLAKES *without coupons!*

*Demand for  
new 6<sup>th</sup> pack  
grows and  
GROWS!*



Housewives jump for joy when they see this marvellous new product which solves their washing problems without using coupons. Display Semo Flakes in the popular 6d. size and see how quickly they sell. The demand increases like wildfire. Send for trade terms or trial supply and cash in on this profitable new market NOW.

Makers:—O. M. SEMAN LTD., SOUTHALL, MIDDX.  
Distributors:—SPLENDOR LTD., NOTTINGHAM

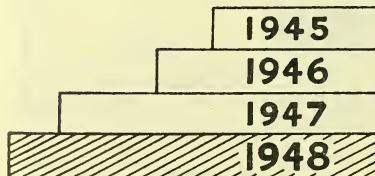
# SECTO

**EXTRA POWER.**

# D.D.T.

The Senior  
British  
Insecticide

A BEST SELLER FOR 42 YEARS and increasing each year



EXTRA POWER brings in EXTRA SALES  
with EXTRA PROFITS

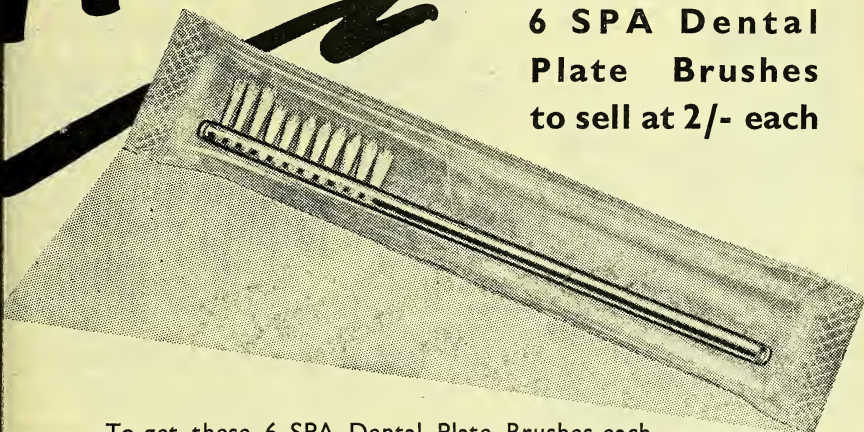
A strong advertising campaign is included in the  
1949 SALES PLAN.

IT PAYS TO DISPLAY SECTO

CUPAL LIMITED • MANUFACTURING CHEMISTS • BLACKBURN

# FREE *Bonus offer*

of  
6 SPA Dental  
Plate Brushes  
to sell at 2/- each



To get these 6 SPA Dental Plate Brushes each  
in a hygienic tube and packed together in a display outer

ORDER	COST	RECEIPTS
$\frac{1}{2}$ dozen SPA Nailbrushes No. 65	£3 1 6	£5 12 0
$\frac{1}{2}$ dozen SPA Hairbrushes No. 22	plus	plus
2 dozen SPA Toothbrushes No. 5	£1 0 6	12 0
Total	£4 2 0	for Dental Plate Brushes £6 4 0

**YOUR PROFIT IS £2. 2. 0—a return  
of 68.3% on the cost to you of the parcel.**

In return you display these best-selling SPA Brushes for a fortnight, putting the Dental Plate Brushes prominently on your counter. Customers who do not like to ask for Dental Plate Brushes will be glad to buy them when they can pick them up without asking. The demand for Dental Plate Brushes is growing. Since July of last year a million and a half more people have received dentures. More and more of these realize that they must use a brush designed specially for the job.

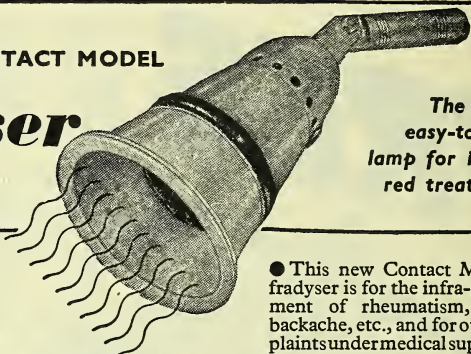
**SEND YOUR ORDER AT ONCE—AND  
CASH IN ON THIS EXPANDING MARKET**



## SPA BRUSHES LIMITED

FREEMAN WORKS • CHESHAM • BUCKS.

INTRODUCING THE CONTACT MODEL

**Infradyser***The safe,  
easy-to-use,  
lamp for infra-  
red treatment*

● This new Contact Model Infradyser is for the infra-red treatment of rheumatism, sprains, backache, etc., and for other complaints under medical supervision.

This lamp is safe and economical. Consumption is 25 watts, and it can be plugged straight into any convenient electric point. The heat never exceeds a comfortable maximum. It is uniform, and there is no risk of burning. The hyperaemia induced may last up to 4/5 hours.

This is a new and interesting line for chemists, and is reasonably priced at £2.18.9d. (inc. 11/9d. Purchase Tax). Literature and display material available. State voltage when ordering.

**AEROSOLS LTD**

65, OLD BROMPTON ROAD, LONDON, S.W.7  
Telephone: KENsington 7495



**Dr. J. Collis Browne's Chlorodyne**  
and  
**The Pharmacy and Poisons Act, 1933**

**Dr. J. Collis Browne's**  
**CHLORODYNE**

**SALE RESTRICTED TO REGISTERED CHEMISTS****PURCHASER'S SIGNATURE NOT REQUIRED***Sole Proprietors:*

**J. T. DAVENPORT LTD.**  
UNION ST., LONDON, S.E.1

**P.A.T.A.**

# IMPORTANT TO RETAIL PHARMACISTS



is, and has always been, the policy of the House of Meggeson to reserve Meggeson Bismuth Dyspepsia Tablets for sale to the public by Qualified Chemists only. Thanks to the co-operation of Retail Pharmacists in every part of the Kingdom, this therapeutically sound preparation is well on the way to becoming the leading indigestion relief. As public demand for it increases further, so will its importance to Qualified Chemists. It shows a good margin of profit and can be liberally displayed with advantage. SMALL SIZE 1/9, LARGE SIZE 4/6.

A PHARMACEUTICAL PRODUCT OF THE HOUSE OF

## MEGGESON

THE NAME BEHIND THE CHEMIST



FOR OVER A CENTURY AND A HALF

MEGGESON & CO., LTD., LONDON, S.E.16

**MISCELLANEOUS OPPORTUNITIES****HARVEY'S****Horse Remedies**

P.A.T.A. Protected Prices

Supplies can be obtained through all Wholesale Houses

**HARVEY & CO. (DUBLIN) LTD., DUBLIN****Now available SACKERS HYGIENIC  
METAL COMBS**Will remove Nits, Vermin  
from hair and scalp

All Enquiries:

**SAQUERRE LTD. 62-64 BROOK STREET, LONDON, W.1****Standard Saccharin Tablets  
IN PACKETS 100**

up to 5 gross at 62/- per gross

,, ,, 5 ,, ,, 61/- ,, ,,

,, ,, 10 ,, ,, 60/- ,, ,,

100 gross lots, price on request

Post free, cash with order.

**T. H. Walton & Co., Ltd., Batley.****Developing & Printing****ONE DAY SERVICE . . . . Usual trade discounts**SHOWCARDS  
ORDER PADS, Etc.  
SUPPLIED **FREE****ORMSKIRK****PHOTO - SERVICES****PARK ROAD WORKS**  
Dept. 5 \* ORMSKIRK**S.T. I. SUN TAN POWDER comp.**Bottles.  $\frac{1}{2}$  oz. powder to 2 ozs. water. Applied  
with wadding and gives the admired GOLDEN  
BROWN Skin Tint with smooth matt finish. Early  
orders appreciated. 7 lbs. lots at 2/9 lb. post paid.  
Makes 224 x 2 oz. bottles.**CHEMICAL MFG. LABORATORY LTD. DRAKE ROAD  
WORKS, TAVISTOCK, DEVON (Tavistock 497)****MOSANS PESSARIES****15/- per doz. boxes**  
**any wholesaler****ASPIRIN TABLETS B.P.  
A.P.C. TABLETS B.P.**

Bulk or Packed

**THREE CROWNS TABLET COMPANY**  
21-25 Derringham Street, Hull**OPTICAL TUITION**For the S.M.C., B.O.A., I.C.O.,  
and N.A.O. DIPLOMA Examinations

Particulars:—

**C. A. Scurr, F.S.M.C., F.B.O.A., F.N.A.O.,**  
**D. Opt. F.C.O., M.P.S.**  
**50 HIGH STREET, BARNET, LONDON, N****PRE-PACKING & LABELLING**

(We can now accept fresh orders)

**LIQUIDS:** From Bulk into any size bottle  
from  $\frac{1}{2}$  oz.**POWDERS & TABLETS:** Mixed and packed to customers  
Specifications.**J. H. WISEMAN & CO. LTD.****100 Blackstock Road, Finsbury Park, N.4.****“DEEP-WAVE”****Home Perm Outfit**40 new type Plastic Curlers together  
with Lotion and Powder sufficient for  
complete perm.

Wholesale price 7/- (Tax free)

Retail price 12/6

Write for sample outfit to:

**DEEP-WAVE PRODUCTS****16 HARBOROUGH RD., LONDON S.W.16****MANUFACTURERS OF****TOILET ROLLS AND  
INTERLEAVED TOILET PACKETS**

WITH MODERN PLANT

INVITE TRADE ENQUIRIES FOR HOME &amp; EXPORT

**LIPTON'S PAPER MILLS, LTD.**Head Office: **UNITY WORKS, HEDDON ST., LONDON, W.1**Tel: **REGENT 4271 (8 lines)****EXTEND YOUR TRADE  
USE A TRADE MARK****CONSULT  
TRADE MARK PROTECTION SOCIETY**  
**12 CHURCH STREET LIVERPOOL**Tele.: **Royal 3172 - 3173****PUNCH & DIE SERVICE**All types of Punches and Dies refaced  
and reconditioned, including Multiple  
and Special Shapes. Single Sets by return.**W. J. NEVE, Whitecliff, Sutherland Avenue,**  
**Biggin Hill, Kent. Telephone: Biggin Hill 382**

I shall be glad to receive particulars of any

**SURPLUS DRUGS AND CHEMICALS**for disposal. They must be guaranteed to be of the  
highest standards and prices should be inclusive of  
carriage and packages. Offers of interest will be included  
in my next mailing list which is sent to over 500 Whole-  
sale and Manufacturing Chemists and Exporters. A copy  
of my latest list will be sent to any Wholesale or Manu-  
facturing Chemists or Exporters on application:—**G. ROLAND HARVEY**

29 Hampstead Hill Gardens, London, N.W.3.

Phone: **HAM 5739**Grams: **Grolhar Haver, London**

# The Chemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565 (10 lines)

Classified Advertisements must be prepaid.

Telegrams: "Chemicus, Estrand, London"

For rates see sectional headings

**EIRE****NORTHERN IRELAND**

## ORRIDGE & CO. (Established 1846)

For SALES, PURCHASES, VALUATIONS, STOCKTAKING and ASSESSMENTS

**COUNTY ANTRIM.** Vendor going to Africa. Old-established Chemist business. Accountant's figures. Turnover £6,000 per annum. Good profits. Two assistants employed. Excellent fixtures and fittings estimated to be worth £700. Good clean saleable stock estimated to be worth about £1,000. Rent £150 per annum. Long lease. Total inclusive purchase price £2,400 or valuation terms considered. Apply for details to Orridge & Co., 184 Strand, W.C.2.

**NORTHERN RHODESIA.** Manager required. Salary first year £50 a month, second year £55 a month and third year £60 a month. Bonus in addition, £100-£200 per annum. Fare paid for suitable applicant. Three-year contract required. Irish qualification is acceptable in Northern Rhodesia. Details upon application to Orridge & Co., 184 Strand, W.C.2.

WE INVITE YOUR INQUIRIES

**184 STRAND • LONDON • W.C.2**

Telephone: TEMPLE BAR 9212/3-6340

Telegrams: Orridgechem Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2.

Phone: Midland 6547

77 High St., Shirley, Southampton.

Phone: Southampton 71708

**BUSINESSES FOR DISPOSAL**

words 8/6 (minimum) then 3d. per word. Box 2/-

**ABSOLUTELY UNOPPOSED.** Drug store, small Hampshire town. Unique proposition for qualified man. Excellent property with ample living and storage accommodation. Freehold and goodwill £2,200, s.a.v. Box 6/385.

**ANT (16 miles London),** drug and herbal business, main road position. 9 rooms, first-class living accommodation, vacant. Freehold, £5,500. Stock, fixtures and fittings at valuation. Inquiries Box 6/399.

**BUSINESSES WANTED**

words 8/6 (minimum) then 3d. per word. Box 2/-

**OVERTISER** requires a first-class old-established proprietary line showing good nett profits over any years or a first-class wholesale and/or manufacturing business or a partnership in same. Consideration will be given to anything which shows promise. Ample cash at disposal. Box 6/411.

**YOUNG PHARMACIST** requires to purchase a pharmacy, Yorkshire preferred but not essential. Good living accommodation with garden an advantage. Cash waiting for a business returning not less than £1,000 nett per annum. Would enter in partnership with a view to succession later. Box 6/410.

**APPOINTMENTS**

2/6 per line (12 lines = 1"). Box 2/-

**THE CHEMIST AND DRUGGIST EDITORIAL STAFF**

There is a vacancy for a pharmacist as a sub-editor on the staff of The Chemist and Druggist. Journalistic or publicity experience desirable but not essential. The work is interesting and varied, and the position is permanent, progressive and pensionable. Applications, stating qualifications and experience, should be addressed to the Staff Director, Morgan Bros. (Publishers), Ltd. 28 Essex St., Strand, London, W.C.2.

**ST. GEORGE'S HOSPITAL, Hyde Park Corner, S.W.1**

Required, ASSISTANT PHARMACIST. J.N.C. rates of pay. Applications, with copies of testimonials, to Chief Pharmacist.

**THE SOUTHERN HOSPITAL, DARTFORD**

CHIEF PHARMACIST required. Salary, £485 to £585 a year. Accommodation can be provided if required.

J.N.C. conditions of service.

Applications, with full particulars and the names of two persons to whom reference may be made, should be sent to the Secretary, Dartford Hospital Management Committee, Room No. 59, The Bow Arrow Hospital, Dartford, not later than July 6, 1949.

The Bridge  
Walsall, nr. Birmingham  
Phone : Walsall 5948

28 Rigby Buildings, 4 Aytoun St.  
Manchester 1

Phone : Central 0877

141 Bath St., Glasgow  
P one : Douglas 3168

## ERNEST J. GEORGE & CO.

Chemists' Transfer Agents, Stocktakers  
and Valuers

**329 HIGH HOLBORN  
LONDON, W.C.1**

Phone : Hol. 7406/7 and 2397

South Coast Representative :

G. Loxton Grinstead, M.P.S.

"Edweina," Oaklands Avenue  
Saltdean, nr. Brighton, Sussex

Phone : Rottingdean 8233

### BUSINESSES FOR DISPOSAL

**A.1. Kent (Seaside Resort).** Drug Store which should offer appreciable scope under qualified proprietorship; lock-up shop, etc., situated near to sea front; total price £875 including stock estimated at £620.

**A.2. Leicester (Retirement).** Old-established pharmacy with living accommodation. Freehold can be purchased or lease may be granted. Turnover for 1947/48 (prior to commencement of N.H.S.) exceeded £5,200. Goodwill and fixtures £1,750, plus stock at valuation.

**A.3. West End.** Very old-established and well-known pharmacy of the ethical type offering abundant scope and opportunities for development. Turnover now averaging at the rate of approx. £170 per week; price £3,500, plus stock at valuation (estimated at £2,000).

**A.4. Suffolk.** Country village business of the mixed type for disposal owing to retirement.

Turnover for last financial year exceeded £7,700, and scope should exist for further development. The freehold property, which includes available living accommodation, is also for sale. The price of the business and property is a matter for negotiation, and the Vendor will consider allowing part to stand over for an agreed period.

**A.5. London, S.E.17.** Working-class business with extensive N.H.S. connection; present turnover approx. £400 per month. Good scope. Low rent; price £2,400, including stock and fixtures estimated at £1,200.

**A.6. Kent Coast (Retirement).** Well-established pharmacy with flat above. Annual turnover £2,700 approx., but this figure should represent no criterion of possibilities. Premises attractively fitted on modern store lines. Low rent. Total price asked £3,000, subject to stock, etc.

### OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

#### THE HOSPITAL FOR SICK CHILDREN, GREAT ORMOND STREET, LONDON, W.C.1.

##### ASSISTANT PHARMACIST

Applications are invited for this position. Salary, £370 to £450 on J.N.C. Scale, according to experience. Apply, with details of age and experience, to A. Rac, Chief Pharmacist.

#### KING'S COLLEGE HOSPITAL GROUP, DENMARK HILL, S.E.5

##### ASSISTANT PHARMACIST

Applications are invited for this position. Salary and hours in accordance with the J.N.C. Scale. Superannuation scheme in force. The appointment is subject to passing a medical examination. Applications, with details of age and experience, should be sent to the Pharmacist at above address.

#### HOSPITAL MANAGEMENT COMMITTEE

##### No. 9 WAKEFIELD "A" GROUP

##### CLAYTON HOSPITAL, WAKEFIELD

FIRST ASSISTANT PHARMACIST required. Non-resident post. Salary in accordance with the recommendations of the Joint Negotiating Committee, i.e., £415 x 15—£490 per annum. Applications, stating age, qualifications and experience, with copies of three recent testimonials, should be sent to the undersigned.

W. READ,  
Secretary.

#### HILL END HOSPITAL & CLINIC, ST. ALBANS, HERTS

PHARMACIST (locum tenens), male or female, for 9 weeks from the beginning of July. Salary 10 guineas per week. Apply, stating full particulars of experience, to Medical Superintendent, Hill End Hospital & Clinic, St. Albans, Herts.

#### WEST MIDDLESEX HOSPITAL

##### SOUTH-WEST MIDDLESEX HOSPITAL MANAGEMENT COMMITTEE

LOCUM ASSISTANT PHARMACIST required for the following periods:—  
4th July to 16th July; 26th September to 1st October.

Salary £8 8s. to £10 10s. per week, according to experience. Non-resident. Applications, with testimonials and full particulars of age, qualifications and experience, to the Chief Pharmacist, West Middlesex Hospital, Isleworth, Middlesex.

#### WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE

FOREST GATE HOSPITAL, LONDON, E.7  
Non-resident LOCUM ASSISTANT PHARMACIST required immediately by Forest Gate Hospital, for an indefinite period. Hours of duty 39 per week. No Sunday duty. Salary up to £10 10s. per week according to experience.

Applications, stating age, qualifications, experience, and copies of three recent testimonials, should be sent to the Medical Superintendent, Forest Gate Hospital, London, E.7.

#### NEASDEN HOSPITAL AND

##### KINGSBURY MATERNITY HOSPITAL

Temporary QUALIFIED DISPENSER required. Weekly salary pro-rata to £350 p.a. No Sunday duty. Applications, stating age and qualifications, together with two testimonials, to Physician-Superintendent, Neasden Hospital, Brentfield Rd., N.W.10, immediately.

#### ST. MARGARET'S HOSPITAL, EPPING

LOCUM required for two weeks from September 5th to September 24th. Salary 10 guineas per week. Applications to the Superintendent.



**IT'S NEW!  
IT'S GOOD!  
IT SELLS ON SIGHT!**



**FREE ADVERTISING DISPLAY STANDS FULL  
DESCRIPTIVE LITERATURE ON REQUEST**

**TRADE AND EXPORT ENQUIRIES INVITED**

Panda Roll Films are available from the Leading Wholesale Chemists, or direct from :-

**PANDA FILM CO. (WHOLESALE) LTD.**

**12 LAINGS CORNER, MITCHAM, SURREY**  
**TELEPHONE: MITCHAM 0826 & 4296**

**Appointments—Continued**

**DARTFORD HOSPITAL  
MANAGEMENT COMMITTEE**

Applications are invited from Registered Pharmacists for the following appointments:—  
**ASSISTANT PHARMACIST.** At The Southern Hospital; salary, £370-£450 a year. Accommodation can be provided for a male or female officer.

**ASSISTANT PHARMACIST.** At The West Hill Hospital; salary, £370-£450 a year. Accommodation can be provided for a female officer.

J.N.C. conditions of service.

Applications, with full particulars, and the names of two persons to whom reference may be made, should be sent to the Secretary, Dartford Hospital Management Committee, Room No. 59, The Bow Arrow Hospital, Dartford, Kent.

**ASSOCIATION OF BRITISH  
PHARMACEUTICAL INDUSTRY**

The Association requires an Assistant-Secretary (Export). Should be between 30 and 40 years of age. Preferably a registered pharmacist. Must have good practical commercial export experience. Duties to include attendance at meetings and to deal with correspondence and general inquiries. Initiative, high intelligence, and outstanding personality are important considerations. Salary according to experience. Superannuation scheme after a specified period of service with the Association. Write with full particulars of experience, qualifications, age, etc., to the Secretary, The Association of British Pharmaceutical Industry, Tavistock House North, Tavistock Square, London, W.C.1.

**DORKING AND REDHILL COUNTY  
HOSPITALS**

**LOCUM PHARMACIST** required for 10 weeks commencing July 4. Salary, £10 per week. Apply to Chief Pharmacist, Room 45, Redhill County Hospital, Earlswood Common, Redhill, Surrey.

**ST. HELENS AND DISTRICT HOSPITAL  
MANAGEMENT COMMITTEE.**

**COUNTY HOSPITAL, WHISTON**

**ASSISTANT PHARMACIST.**

Applications are invited from suitably qualified pharmacists, male or female, for the above post.

Candidates need not necessarily have had previous hospital experience.

Salary, £370-£450, in accordance with the recommendations of the Joint Negotiating Committee.

The successful applicant will be required to pass a medical examination. Applications, stating age, experience, etc., and accompanied by two recent testimonials, should be forwarded to the undersigned immediately.

**N. RICHARDS,** Secretary.

Group Office, County Hospital, Whiston,  
Nr. Prescott, Lincs.

**ST. MARY'S HOSPITAL, LONDON, W.2**

Applications are invited for the following appointments:—**SENIOR ASSISTANT PHARMACIST.** Three years' hospital experience essential. Salary scale £415-£490, according to experience. **ASSISTANT PHARMACIST,** salary scale £370-£450, according to experience. Both appointments carry additional fees for extra duties. Lunch and tea provided when on duty. Applications, with copies of testimonials, to be sent to the Chief Pharmacist.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

## SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

### RETAIL (HOME)

**ASSISTANT**, qualified or unqualified, dispensing, etc. No holiday or Sunday duty; half-day Saturday; permanent. Commencing July 1. Full particulars, including salary required, R. & J. Herman, 3 Tithebarn St., Liverpool, 2.

**BACUP**. Qualified assistant (lady or gentleman) required for central pharmacy. Comfortable working conditions. Application with references to A. E. Barton, M.P.S., 3 St. James' St., Bacup.

**BIRMINGHAM**. Qualified chemist, lady or gent, required. Permanency. Reply, stating salary, etc. Sidney H. Blunt, Ltd., 106 Bordesley Green, Birmingham, 9.

**CHEMIST**, qualified as branch manager, required for pharmacy in Wirral. Apply by letter to Staff Manager, Birkenhead & District Co-operative Society, Ltd., 14 Catherine St., Birkenhead.

**CHEMIST AND OPTICIAN** on C.P.C. list; must be keen refractionist, and willing to help in pharmacy. Stage age, experience and salary required. G. E. Chapman, 166 Church Lane, Smethwick, Birmingham.

**DISPENSING ASSISTANT** required, Hall certificate preferred, for busy pharmacy in Norfolk seaside and country locality. 42-hour week, no holiday or other duties, good accommodation, moderate charge. Lessey, Station Rd., Heacham. Telephone 297.

**DORSET**. Dispenser, lady or gentleman, easy hours, congenial post. Apply Francis K. Rowe, M.P.S., Wimborne Minster.

**EASTBOURNE**. Qualified assistant required (male or female) for high-class dispensing business. Reply with full particulars to H. R. Browne (Chemists), Ltd., 44 Cornfield Rd., Eastbourne.

**EASTBOURNE**. Qualified manager required for small branch pharmacy. Apply H. R. Browne (Chemists), Ltd., 44 Cornfield Rd., Eastbourne.

**EXCELLENT OPPORTUNITY** for young qualified optician on C.P.C. list to take control of substantial practice. Premises about to be vacated after 21 years' lease; Birmingham-Wolverhampton area. Box A/9.

**FRANK A. ROGERS** requires qualified and unqualified assistants. Dispensing and counter. Permanency. Pension scheme. Apply, giving full particulars to W. E. Melville Cook, 1 Beaumont St., W.1.

**HEPPELS (1932), LTD.**, require experienced cosmetic assistant, West End. Good salary and commission to experienced saleswoman. Hours 9-6, Saturday 9-1. Apply with full particulars to:—Superintendent Chemist, 70 Vauxhall Bridge Rd., S.W.1.

**HEPPELS (1932), LTD.**, require unqualified assistant West End. Good salary and commissions. Hours 9-6, Saturdays 9-1. Apply with full particulars to Superintendent Chemist, 70 Vauxhall Bridge Rd., S.W.1.

**LADY, EXPERIENCED**, take charge chemists' cosmetic counter. Central London. Progressive post. Apply "A" Box A/209.

**LADY**, experienced dispensing assistant, knowledge book-keeping, London. Apply "B," Box A/244.

**LADY**, experienced assistant for chemist's cosmetic counter. Congenial post, Saturday half-day. London. Apply "C," Box A/245.

**LIVERPOOL**. Qualified wanted for counter dispensing. No Sunday duty. Apply with particulars. Box 6/405.

**LEICESTER**. Qualified manager required to full control of dispensing department. Good salary and permanency. Comfortable post and easy hours. The Meltonian Drug Co., Ltd., 132 Meltonian, Leicester.

**LONDON, W.1**. Unqualified assistant, male female, for dispensing and counter in good pharmacy. No holiday or extra duties. A. Bartlett & Goodall, 37A Crawford St., W.1.

**MONTGOMERYSHIRE**. Lady assistant required busy shop in market town. Permanent position pleasant surroundings. Good salary offered. Interview necessary, for which expenses will be paid. Write, giving full particulars, to Stanley Moore, Chemist, Broad St., Welshpool.

**NORTHAMPTON**. P. Jeyes & Co., Ltd., vacancies for dispensers in high-class pharmacy. Permanent positions with excellent prospects. Apply P. Jeyes & Co., Ltd., The Drapery, Northampton.

**PHARMACIST**, to take charge of penicillin sterile products unit. Preferably young, with manufacturing experience. N.W. area. Full details to Box A/223.

**PHARMACIST** (lady or gentleman) required to assist in dispensary of city business. Comfortable position with good salary. House available moderate rental. Successful applicant will be required to participate in staff superannuation scheme. Applications, by letter only, to T. Cornish, Mills & Mills (Chemists), Ltd., 8 George St., Bath.

**PHARMACIST MANAGER** required for south London. Living accommodation if required. Good salary and prospects. Apply "A," Box A/243.

**PHARMACIST REQUIRED** to manage branch in West End of London. Hours 9-6. Light dispensing. Minimum salary and commission £12 weekly. Position permanent. Prospects excellent person possessing salesmanship. No living accommodation. Write, giving brief particulars in first instance, to Box 6/350.

**QUALIFIED ASSISTANT** (male), young, urgently required for permanent position. Mrs. D. Stain Davies, 6 Nott Sq., Carmarthen. Phone 539.

**QUALIFIED ASSISTANT** required for counter dispensing in high-class pharmacy (T.S.A. license). High remuneration. Permanency. Modern house available. Chave & Jackson, Ltd., Hereford.

**QUALIFIED ASSISTANT**, counter and dispensing capable of taking charge. Adequate help. Middle class business. Interview if possible. Chas. Taylor & Son, 292 Cheriton Rd., Folkestone.

**QUALIFIED MANAGER** required immediately for lady or gentleman, for old-established family business. Dispensing, counter and window dressing. Permanency. Please state age, experience and salary required, Sharpe's Store Chemists, Ltd., High St., Thornton Heath.

**QUALIFIED MANAGER** required for branch pharmacy. Salary £10 per week and commission. National Health dispensing (minimum £2). Superannuation scheme in operation. Living accommodation provided. Apply, stating age and experience, to Kidderminster Co-operative Chemists Ltd., Worcester St., Kidderminster.

**QUALIFIED ASSISTANT**, male or female, for central drug department. Dispensing with supervisory and staff control duties during absence of superintendent. Rota duties shared. Hours 9 a.m. to 6 p.m. Half day 1 p.m. State salary required. Ample dispensing assistant. Apply Co-operative Society, Ltd., Ashton-under-Lyne.

**QUALIFIED CHEMIST** and druggist (either senior locum or permanent, required for family and retail trade in Southampton. No Sunday work. Write, giving all details and requirements, to L. Stores, Ltd., Obelisk Rd., Woolston, Southampton.

## Situations Open—Continued

**QUALIFIED SUPERINTENDENT** chemist optician required by the Great Grimsby Co-operative Society, Ltd. Central and three branch shops, Houseable. Applications, giving details of age, qualifications, etc., to the Managing Secretary, 74 Baldi St., Grimsby.

**QUALIFIED MANAGER** required for West End pharmacy. Permanent position allowing full scope initiative. Good salary and commissions. Pension scheme available. Apply with full particulars. Box 6/415.

**QUALIFIED SUPERINTENDENT CHEMIST** required with optical qualifications preferred. Flat available. Superannuation scheme. Applications, stating salary referred to Hinchliffe Mill Industrial Co-operative Society, Ltd., 57-59 Huddersfield Rd., Holmfirth.

**STOWMARKET, SUFFOLK.** Qualified assistant (either sex) required immediately, mainly dispensing in busy pharmacy in market town. Reply, giving particulars and terms. Wilsons (Stowmarket), Chemists, Ipswich St.

**QUALIFIED ASSISTANT** required mainly for dispensing in busy pharmacy. Excellent working conditions in well-equipped and up-to-date dispensary. Apply, with particulars of experience, and salary required, to O. L. Carrington, 300 London Road, Croydon.

**QUALIFIED LADY ASSISTANT** required with previous experience, toilets in particular. Apply, giving full particulars, F. J. Roper, Chemist, Leicester, Herefordshire.

**VACANCIES** occur for experienced pharmacists as branch managers in the East Ham, Ilford, Palmers Green, Potters Bar and Ealing areas of London.

Should it be so desired, accommodation in the form of a flat or a house could be provided. Remuneration to be paid in each instance would be not less than £600 per annum, plus superannuation. Permanency and participation in the superannuation scheme is assured to suitable applicants. Should you be interested an appointment must be arranged to discuss promotion prospects upon application to Superintendent Chemist, London Co-operative Chemists, Ltd., 100, Leyton, E.10.

**WANTED URGENTLY**, superintendent pharmacist, immaterial. Adequate help given, no Sunday holiday duty. One free day weekly. Good salary and easy hours. Locum free for July and August would help until permanency arranged. One Maida Vale 9902, or write Box 6/417.

**WANTED**. Unqualified dispensing assistant, female, of female, required for family and dispensing business. Good salary and liberal commission available to suitable applicant. Apply Box A/229.

**WANTED**. HAVE SEVERAL interesting and well paid vacancies for unqualified staff in the London areas of Ilford, Greenford, Battersea and Edgware. Application in first instance to Superintendent Chemist, London Co-operative Chemists, Ltd., 100, Leyton, E.10.

**WANTED**. LADY dispenser required. Firm of doctors, Sussex coast. Write giving particulars and references. Box 6/382.

**WANTED**. LADY ASSISTANT for dispensing and counter; age 20 to 30; for working and middle-class business, London, S.E.1. Salary £8 weekly. Can it if necessary for suitable applicant. Write in confidence to Box 6/386.

## LOCUMS WANTED

**WANTED**. M.P.S., lady or gentleman from August to 6th. Wilsons (Stowmarket), Ltd., Stowmarket, Suffolk.

**WANTED**. M.P.S., QUALIFIED, long or short periods, London Central. Fourteen guineas. Apply "D," Box 246.

## RETAIL (OVERSEAS)

**QUALIFIED MANAGERS** required by English firm of wholesale and retail chemists for branches in British West African Colonies. The positions are permanent with progressive salary and generous contributory pension scheme, retiring age 55 years. Tours are of twenty months with four months' leave in United Kingdom on full pay. Low income tax. Free furnished living accommodation and medical attention is provided, also first-class sea passages and outfit allowance. Apply, giving particulars of age, qualifications and experience, also state whether married or single, to Box 6/373.

## WHOLESALE

**A LEADING FIRM** of manufacturers of ethical products will shortly require a medical representative for Cheshire and N. Wales. Candidates should be preferably qualified pharmacists, age 28-35 years; some hospital training would be considered an asset. The appointment will carry a basic salary, commission and business expenses; there is a contributory pension fund. Apply giving full details and enclosing photograph (which will be returned) to Representative, Box A/252.

**AGENT WANTED** with connection chemists or drapers for proprietary line, nationally advertised and backed with every assistance from Principals. When replying, give full particulars of territory covered plus any relevant details. Box A/218.

**ASSISTANT REQUIRED** to managing director of company manufacturing small-ware in the Midlands. Male not over 40 years. Applicants must have a good record showing initiative, energy and sound commercial personality; four-figure salary offered commensurate with proved ability. Applications marked "Assistant to Managing Director," stating age, experience and salary required to Roberts, Hall & Co., Chartered Accountants, 109 Colmore Row, Birmingham.

**BY PERMISSION** of the Ministry of Labour and National Service. Foreman Laboratory. Laboratory Foreman required by London manufacturing chemists for the manufacture of pharmaceutical galenicals. Five-day week. Reply with full details of experience to Box 6/380.

**BY PERMISSION** of the Ministry of Labour and National Service. Foreman Tablet Department. Manufacturing chemists, London, have a vacancy for a competent man experienced in all branches of tablet production. Details to Box 6/381.

**CHIEF CHEMIST** and factory manager required by old established house manufacturing cosmetic and pharmaceutical lines. Good salary and progressive post with prospects. Write in strict confidence, stating positions held, previous salary, age, etc. Box A/242.

**EXPERIENCED PACKER** and checker required by wholesale drug house in Greenford area for home and export trade in pharmaceutical chemicals and drugs. Must be accustomed to handling and re-packing. Write, with particulars of past experience, to Box A/233.

**FASSETT & JOHNSON, LTD.**, require the services of an experienced representative for Lancashire to sell nationally known proprietaries and surgical dressings to all available outlets. Car provided together with salary and adequate expenses. Residence on territory is desirable. Applications submitted should give particulars of previous experience and salary required and be addressed to Sales Manager.

**MANAGER REQUIRED** to take charge of manufacturing laboratory, drug and surgical stocks and packing department. Exceptional position for experienced pharmacist. Superannuation scheme. No living accommodation. Apply, P. Jeyes & Co., Ltd., The Drapery, Northampton.

**Situations Open—Continued**

**GLAXO LABORATORIES, LTD.**, require a pharmacist (woman) in the laboratory of their Ampoule Department. The work is concerned with the manufacture and control of injection products. Previous similar experience is not necessary. Good salary and prospects; five-day week; staff pension scheme. Apply in writing, giving full particulars, to personnel Manager, Glaxo Laboratories, Ltd., Greenford, Middlesex.

**INTERNATIONAL COSMETIC HOUSE** requires keen, high-class representative for West Midland area. Car owner and ex-Serviceman preferred. Excellent prospects, pension scheme. Write stating age, education and experience to Sales Director, Richard Hudnut, Ltd., Power Rd., London, W.4.

**KEEN, ABLE** Salesman with connections for sanitary towels and dressings to handle quality lines in the following areas: 1, London; 2, South and West England; 3, Midlands. Applications invited only from men and women skilled in pioneer sales and with successful records. No objection to another non-competitive line. Commission and part expenses until ability proved. Full details of experience, territory covered to Sales, Box 6/394.

**EUCRYL LTD., require for Eastern Counties an experienced Traveller**

*Written applications only to:*  
**Sales Manager, Eucryl Ltd., Southampton**

**MANUFACTURING CHEMISTS.** Junior Chemist. Pharmacist either sex required. One about to qualify considered. Time off for study. To supervise manufacture and packing. Control raw material. Previous manufacturing experience not necessary. State age, salary required and when available, Box A/250.

**MANUFACTURING CHEMISTS** require experienced process workers for drug laboratory. Applicants should have experience in large scale manufacture of the usual range of galenicals, ointments, etc. Pension scheme in operation. Write, stating age, wage required, details of previous experience, etc., to C.W.S., Ltd., Drug Works, Greenside Lane, Droydsden, Nr. Manchester.

**MEDICAL REPRESENTATIVE** required to contact welfare centres, hospitals and doctors in Northumberland, Durham, Cumberland and Westmorland area. Must be aged 27/33, able to drive car, resident on territory and with scientific knowledge or background. Apply in confidence to The Nestle Company Ltd., Medical and Welfare Service, Hayes, Middlesex, giving full details of career to date, age, qualifications and salary expected.

**MIDLANDS AREA.** A representative, car-owner and with experience in handling pharmaceutical preparations, is required by well-known London house. Excellent prospects are assured for a progressive and conscientious man. Good salary, expenses and commission. Please give full details, including age. Applications, which will be treated in strict confidence, should be addressed to the Managing Director, Box A/211.

**OLD-ESTABLISHED** and well-known London manufacturers invite applications from first-class representatives with live connection among wholesale chemists, hairdressers' sundriesmen, and fancy goods houses in the provinces. Liberal salary, commission and expenses to the right men. Apply Box 6/408.

**PARKE, DAVIS & CO.** have interesting posts in their organisation which offer permanency and prospects of promotion to young pharmacists who have ambition for (a) the manufacturing side (b) the Export Sales side (especially if the applicant has a liking for languages) and (c) representation of the Company, after suitable training in East Anglia and elsewhere in England; India and South-East Asia. Write, in the first instance for application forms to the General Sales Manager, Parke, Davis & Co., Staines Rd., Hounslow, Middx.

**PHARMACEUTICAL HOUSE** in London requires the services of a qualified man with experience in the manufacture of ampoules and pharmaceuticals generally. Applicant should be able to take charge of manufacturing laboratories. The post is a permanent one and offers excellent prospects for the man who is really interested in his work. Apply in confidence, stating experience in detail and salary required to Box 6/406.

**PHARMACIST** with analytical experience required by a London House to take charge of Analytical Laboratory. Write stating age, experience and salary required. Box A/219.

**PILL AND TABLET COATER.** Experienced in all grades of work is required by manufacturing chemists, London area, working 5-day week. Excellent opportunity for suitable applicant. Write giving age, experience and salary required, Box A/255.

**QUALIFIED ASSISTANT** for pharmaceutical laboratory and aseptic department, T.S.A. licence. Five-day week. Pension scheme. House available. Particulars of experience and salary required to Messrs. Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham.

**REPRESENTATIVE** required on a commission basis to handle toilet, household remedies, perfumery, cosmetics, to wholesale and retail chemists in several parts of the country. Only those that have sound connections with the above-mentioned trades should apply, stating in the first instance lines already carried and actual territory covered. Box 6/375.

**REPRESENTATIVE** for the sale of Veterinary products to Veterinary Profession in Kent, Hampshire, Surrey and adjoining counties. Good salary with expenses and commission. Excellent prospects for man with initiative. Knowledge of Veterinary products essential. Apply Box 6/362.

**REPRESENTATIVE REQUIRED** for sales development aromatics (chemicals, compounds and specialties) Manchester district. Excellent opportunity for young man with energy and initiative; previous sales experience desirable but not essential, provided suitable educational background. Permanent, pensionable post with good prospects. Apply Aromatics, Box A/200.

**REPRESENTATIVE** for the sale of Veterinary products to Veterinary Profession in Devon, Cornwall and West Counties. Good salary with expenses and commission. Excellent prospects for man with initiative. Knowledge of Veterinary products essential. Apply Box 6/361.

**REPRESENTATIVES** required for London, South Coast, South Wales and Midlands. Good connections chemists, stores, etc., for nationally advertised proprietary medicine. Write giving full particulars to Box A.C. 41971. Samson Clarks, 57/61 Mortimer St., W.1.

**REPRESENTATIVES** required by pharmaceutical house of high repute to detail medical and dental professions, for Eastern Scottish territory; also London, Surrey, Devon and Cornwall. (Applicant for London, etc., must reside in Surrey). Applicants must have had similar experience. Write, giving details of experience, salary required, age, etc., to Box A/253.

**Situations Open—Continued**

**PRESENTATIVE WANTED** with good connections, calling on chemists, etc., to introduce established insecticidal liquids and powders of outstanding merit. Commission basis. Fullest particulars in confidence. BM/BROM., London, U.I.

**LES MANAGER**, with pharmaceutical qualifications, required by a progressive London firm of manufacturing chemists. A man of executive ability sought with a wide experience of the trade. The post is an important one, carrying a four-figure income and offering a progressive career for a man of the right calibre. Please reply, in confidence, giving age and particulars of past career, to Box A/10.

**LES MANAGER** required by Birmingham company manufacturing chemists' sundries, age 30-40, previous experience, including advertising, essential, well educated and good letter-writer with executive ability. Progressive post with remuneration in accordance with experience and progress achieved. Applications marked "Sales Manager," stating experience and salary required, to Roberts; Hill & Co., Chartered Accountants, 109 Colmore Row, Birmingham.

**BLEY MAKER**. Experienced man required London N.W. district. (5-day week.) Knowledge of duplicating, use of single punch also rotary machines. Permanency. Write stating age, experience and salary required. Box A/254.

**TRAVELLERS** already calling on chemists and drug stores in London, Home Counties, required for new product. Very high commission paid. Box A/418.

**THE BRITISH DRUG HOUSES, LTD.**, invite applications from pharmacists for the position of medical representative in Scotland. Applications should be addressed to the Personnel Manager, Ref. MA/WKW, Graham St., City Rd., London, E.C.1.

**VETERINARY SALES EXECUTIVE** required by London pharmaceutical manufacturers. The appointment is progressive, permanent and superannuated and offers considerable scope to the man with the requisite knowledge and ability to build up a veterinary sales department. Full details of experience, etc., to Box 3965, Scotts, 9 Arundel St., London, W.C.2.

**WORKS CHEMIST**. B.Sc. standard of education required for control of chemical plant and processes. Applicants should have thorough grounding in organic chemistry, and preferably but not essentially, works experience. Salary according to qualifications and experience. Staff pension fund, canteen facilities and sports and social club. Apply writing to Personnel Officer, May & Baker Ltd., Dagenham, Essex. Please quote reference no. 2952.

**WAREHOUSE CLERK** required by multiple chemists for pricing branch orders and keeping stores records. Progressive situation. Apply, stating experience, to John Harley, Ltd., 153 Regency St., London, S.W.1.

**WHOLESALE (OVERSEAS)**

**PHARMACIST** urgently required for service with large industrial concern operating in the Middle East. Large hospitals and staff of British M.O.s and sisters. Considerable dispensing for hospital and outpatient clinics. Applicants must hold F.P.S. and be not over 35. Attractive salary with generous allowance in local currency. Free passage out and home, medical attention; kit allowance; pension scheme; good leave arrangements. Write giving age and full details of qualifications and experience quoting Dept., F.94 Box 2201 at 191 Gresham House, E.C.2.

Unless otherwise stated, address all replies to Box Numbers c/o THE CHEMIST & DRUGGIST, 28, Essex St., London, W.C.2

**MANESTY  
TABLET MACHINES**

Latest type D.3 (16-punch) Rotary and BB3 (27-punch), the latter fitted with variable speeds; a number of each type for sale, in brand-new condition. Can be seen by appointment. What offers? Box A/208.

**SITUATIONS WANTED**

18 words 3/- (minimum) then 1d. per word. Box 1/-

**RETAIL (HOME)**

**EXPERIENCED** unqualified dispenser (23), seeks change. Requires permanent progressive position, with good prospects for future. London area. Box 6/407.

**HALL QUALIFICATION**. Experienced dispenser/secretary requires congenial residential appointment. Box 6/419.

**HIGHLY EDUCATED**, cultured young man with sound pharmaceutical experience desires post as dispenser in London area. Box 6/398.

**QUALIFIED DISPENSER** requires position London area, Met., Bakerloo and Central convenient. 30 years retail pharmacist. Not registered. Gregory, 16 Norfolk Sq., London, W.2.

**LOCUMS SEEKING ENGAGEMENTS**

**UNQUALIFIED** male, 60, used to responsibility, quite active and healthy. Offers? Box 6/414.

**WHOLESALE**

**EXPERIENCED REPRESENTATIVE**, 35, offers first-class connection among chemists, Co-ops, and departmental stores in Yorkshire, co. Durham and Northumberland. Seeks position with reputable house. Box 6/397.

**NORTHUMBERLAND**, Durham, Yorkshire. Exceptionally well-known representative, 20 years this territory available shortly. Splendid references. Own car. First-class houses only. Box 6/412.

**REPRESENTATIVE**, recently retired, regular army (Major, R.A.S.C.), wishes to represent firm of repute. Commence commission and expenses basis, south-east or southern counties. Would use own car. Box 6/402.

**WORKS MANAGER**, 36, with pharmaceutical and chemical qualifications, conversant with modern ethical pharmaceutical and toilet product manufacture and packaging, production planning and staff control, desires to improve his position. Replies to Box 6/413.

**YOUNG, UNQUALIFIED**, 8 years' retail experience, desires representation reputable sundries/wholesale manufacturers, Northumberland and Durham. Box 6/403.

**AGENCIES**

36 words 17/6 (minimum) then 4d. per word. Box 2/-

**AGENTS** with first-class connections with chemists, required to handle a popular six and eight exposure roll film. Attractive discounts and commission. The Panda Film Co. (Wholesale), Ltd., 12 Laings Corner, Mitcham, Surrey.

**AGENTS REQUIRED,** calling on wholesale and retail chemists to carry a very attractive much needed new line, which is bound to repeat. Sample can be carried in waistcoat pocket. Good commission. State territory. Box A/241.

## BUSINESS OPPORTUNITIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

**LEADING PHARMACEUTICAL** chemical manufacturers will undertake manufacture of special compounds to proprietary firms' specifications. Strictest confidence maintained. Box A/201.

**PORTUGUESE** firm of repute shortly erecting complete plant for manufacture of penicillin desires to contact chemical engineer or chemical engineering firm experienced in penicillin production. Replies to Box 6/409.

## FOR SALE

36 words 8/6 (minimum) then 3d. per word. Box 2/-

**BENCH TABLET MACHINE,** hand or power drive, less motor. Fitted with one set of punches and dies, max. dia.  $\frac{7}{16}$  in. Reconditioned, £12 10s. Neve, Whitecliffe, Sutherland Avenue, Biggin Hill, Kent. 'Phone Biggin Hill 382.

**HIGH-CLASS FRENCH** cylindrical 4 oz. bottles with black bakelite caps. All new and unused. Ideal to contain hair lotions, colognes, liquid makeups, shampoos, etc. 30 gross only available. 12/6 per gross ex factory. Sample sent. Colloidal Chemists, Ltd., 35 Bessborough Place, S.W.1. (Vic. 0576.)

## MISCELLANEOUS SALES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

**CHEMICAL SIEVES** about 1,200 square and rectangular hardwood frames. Sizes from 12 in. x 12 in. to 24 in. x 24 in. and 18 in. x 5 in. to 25 in. x 15 in. The meshes are copper varying from 40 mesh to very coarse. The very coarse mesh have a cloth bottom. These were made regardless of price, but we are prepared to dispose of them at a few shillings each to bulk buyers. Inspection invited. S. G. Young, 154 Blackfriars Rd., London, S.E.1. Telephones: Waterloo 4369, 6454 and 6277.

**FOR SALE.** One unused automatic weighing machine, shuffle feed type, complete with motor, £225. Write Box A/396. Erwoods, Ltd., 211 Piccadilly, London, W.1.

**INTERESTING RANGE** of good quality cosmetics, attractively packed in cartons, to be sold as one lot. Inquiries invited. Box 6/401.

**PASCALL** size 0 Turbine Sifter, new. Arden lipstick moulder for 72 lipsticks, 11 m.m., new. Alite powder filling machine, new. Carter disintegrator, size 1 $\frac{1}{2}$ . Gardner horizontal geared mixer, Bringes & Goodwin 16 in. cone mill. 40-quart pedestal mixer. Mitchell portable mixers. EKEM vacuum fillers. S/S, aluminium, copper containers. Steel tables, tray racks, etc. Fleece Laboratories, Guildford Rd., Bisley, Brookwood 2200.

**PHARMACEUTICALS,** ex - Government surplus stocks. Considerable quantities of a variety of items available. Details from Box A/248.

**PORCELAIN STOPPERS** and inserts. Originally used for hot water bottles. Large quantities available at reduced prices. Full details and samples from Box A/247.

**SACCHARIN** without middlemen's profits. Guaranteed .2 gr. 550 saccharin, splendid three-co pack. 100 tablets each envelope 56/- gross, 1 free. No minimum quantity. C.W.O. ten gross 55/-. Laboratories, 9 Sunny Bank, Potters Middlesex. Wholesalers' enquiries invited.

**SACCHARIN TABLETS** 550 0.2 gr. in packets 100 tablets, boxed in 1 gross lots. 1 to 5 g at 57/- p. gross, 6 to 10 gross at 55/- p. gross postage paid. C.W.O. only. Quotations for larger quantities by return. Tell Products, Ltd. 22-24 Rosemont Rd., London, N.W.3.

**SIX DRUMS** White Petroleum Jelly, B.P., 2 dr. Sweet Almond Oil, B.P., 10 cwt. Zinc Oxide, B.P., 100 lb. Spanish Rosemary Oil, 100 Chinese Camphor Powder. Reasonable bids considered. Reply Box 6/400.

## STOCKTAKING

**QUIET AND ACCURATE** workmanship. Over years' practical experience. Detailed inventory supplied to suit your individual requirements. Your own stock sheets priced. Terms moderate. C. Playfoot, 8 Aylward Rd., London, S.W.20. Phone Liberty 4104.

## SALES BY AUCTION

2/6 per line (12 lines=1"). Box 2/-

### B. NORMAN & SON,

2/5 Little Britain, London.

Auction of chemicals, drugs, sundries and other merchandise advertised for Wednesday next, June 29, will commence at 11 a.m. owing to the large numbers of lots for disposal. Shop equipment following at 1 p.m.

### HUNGAR HOUSE, 79 GREAT GEORGE STREET, LEEDS, 1.

Re Hunter Garnett & Co. (Yorkshire), Ltd. By order of E. G. Starkie, Esq., of the firm of Starkie & Naylor, Incorporated Accountants, 12 East Parade, Leeds, 1. Receiver herein.

### HINDLE, SON & LEWIS

will sell by Auction on the premises as above on **Monday and Tuesday and Wednesday, 4th and 5th and 6th July, 1949**, commencing each day at **Eleven o'clock**.

The comprehensive wholesale

**Hairdressing Supplies, Toilet Requisites, Chemists' Stock in Trade, Fittings, Office Furnishings and Effects.**

Including in large quantities:—Rose water, shampoos, waxed paper, powder puffs, henna compound, shampoo base, wave set, kotalene, setting lotions, mineral oil, ammonia, massage creams, brilliantine, hair creams, perfume essences, talcum, bay rum, lacquer, permanent waving gauze, felts, protectors, sachets, curlers, wave base, sachet clips, spiral heaters, solution, dyes, bleach, clamps, saloon brushes, toothpaste, wire brushes, lipsticks, brushes, lotions, mascara, smelling salts, sponge bags, compacts, razors, razor blades, leg make-up, sun tan oil, rouge, shaving cream, scissors, nail files, etc., and items of stock too numerous to mention.

**Hairdressers' Fittings.** (See catalogue.) Also **Office Furniture and Fittings**

On **View Friday and Saturday, 1st and 2nd July, 1949.** Catalogues, price 6d., may be had on application to the Auctioneers, Auctioneers' Offices, 81 Albion St., Leeds, 1.

# PROLONGED HIGH PENICILLIN LEVELS



'Avloprocil' provides a most reliable and convenient means of administering penicillin. A single injection produces a therapeutic blood level of penicillin for periods of 24 hours, so that one daily dose is adequate for effective treatment.

'Avloprocil' contains the Procaine salt of Crystalline Penicillin in sterile oily suspension (300,000 units per c.c.).

*Issued in 10 c.c. vials. Single vials and boxes of 5.*

## 'Avloprocil'

TRADE MARK

**IMPERIAL CHEMICAL [PHARMACEUTICALS] LIMITED**

*(A subsidiary company of Imperial Chemical Industries Ltd.)*

**MANCHESTER**



Ph.329

The  **CHEMIST AND DRUGGIST**  
JUNE 25, 1949

*The ethical medical preparation  
for the treatment of Asthma*



**P.A.T.A.**

*Prescribed and recommended  
by the Medical Profession in  
Hospitals, Private Practice  
and Government Departments  
throughout the world—*

**BRITISH FELSOL COMPANY LTD**  
WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1.  
Telephone, CLerkenwell 5862    Cables, 'Felsol', Smith, London.